

# **BOROUGH**



# OF LUTON.

# ANNUAL REPORT

on

# Health, Sanitary Conditions,

&c., of the

# Borough of Luton,

FOR THE YEAR 1934,

by

# WILLIAM ARCHIBALD,

T.D., M.D., Ch.B. (Glas.), D.P.H. (Camb.),

Medical Officer of Health,
Medical Officer to the Education Committee,
Medical Superintendent of Infectious Diseases
and Smallpox Hospitals,
Police Surgeon.

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Public Health Department,

11, Gordon Street, Luton,

June, 1935.

To His Worship the Mayor, Aldermen and Councillors of the Borough of Luton.

Lady Keens, Ladies and Gentlemen,

I have the honour to submit to you my Twenty-second Annual Report as Medical Officer of Health, which is also the 56th Annual Report on the Health, Sanitary Conditions, &c., of the Borough.

In accordance with the requirements of Article 14 (3) of the Sanitary Officers' Order, 1922, the Report for 1934 is to be an ordinary Report dealing with the year's work generally.

The most important feature of this Report is the section dealing with the extensive outbreak of Diphtheria, which began towards the end of 1933.

It is again my pleasurable duty to acknowledge the cordial and valuable assistance I have received from all members of the Staff in carrying out the duties of the department. I am particularly indebted to Mr. A. J. Nichols, the Chief Sanitary Inspector, for his invaluable assistance.

I have the honour to be,

Lady Keens, Ladies and Gentlemen,

Your obedient servant.

W. ARCHIBALD.

# BOROUGH OF LUTON.

# Report of the Medical Officer of Health for the Year 1934.

## PUBLIC HEALTH STAFF.

Position.	Name.	Date of Appointment.
Medical Officer of Health Maternity and Child Welfare Medical Supt. Infectious Disea and Smallpox Hospitals	William Archibald* T.D., M.D., Ch.B., (Glas D.P.H. (Camb.)	.), 24th Nov., 1908.
Assistant to above positions	M.B., Ch.B., D.P.H., L.M	. 9th Jan., 1934.
	Arthur J. Nichols, M.R.S.I.,	* 24th July, 1923
Chief Assistant Sanitary Inspector	Harold Arthur Perry, Cert. S.I.B	1st May, 1934
Assistant Sanitary Inspector		n,
Assistant Sanitary Inspector	Edward Canterbury, A.R.S.1	., 16th Feb., 1926
Assistant Sanitary Inspector		
	9	11th Nov. 1933 18th Sept. 1934
Clerk in Charge of Clinics	Winifred May Burgess .	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Junior Clerk		18th Sept., 1934
Superintendent Health Visitor		• •
Health Visitor	Cert. R.S.I. and L.S.M	
Health Visitor	H. Isobel Collier, S.R.N C.M.B., Cert. R.S.I. (H.V	
Health Visitor	Winifred Higgins, S.R.N., C.M.B., Cert. R.S.I. (H.V	
	R	esigned July, 1934.
Health Visitor	Doris May Billinghurst,	Ţ
	S.R.N., C.M.B., Cert. R.S. (H.V.)	
Health Visitor	Dorothy Edna Laidler, S.R.	١.,
II and the Window	C.M.B., Cert. R.S.I. (H.V	
Health Visitor	May Elizabeth Fairhead S.R.N., C.M.B., Cert. R.S.	
	(H.V.)	4th Dec., 1934
	J. Kear Colwell,* F.I.C	
	C. R. A. Powell, M.R.C.V.	
Matron Inf. Diseases Hospital		
	Dorothy Haynes	
Matron, Maternity Home	Gertrude Ellen Hall,* s.R.N	
	C.M.B. ··· Resign	16th Oct., 1929 ned 7th June, 1934.

<sup>\*</sup>Contribution to salary under the Public Health Acts, or by Exchequer Grants.

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### Section A. 1. General Statistics.

Area (from 1st April, 1933)			8,242 acres
Population (1931 Census)	• • •	• • •	68,523
Registrar General's Estimate for 1934			76,060
Number of Inhabited Houses, 1934	• • •	• • •	21,140
" Families or separate occupiers …	• • •	• • •	21,490
Rateable Value	• • •	£	2560,646
Sum represented by Penny Rate	• • •	• • •	£2,114
Number of new houses erected in 1934		• • •	1,386
As part of Municipal Housing Scheme		• • •	Nil
Erected by Private Owners with State Assistance	• • •	• • •	Nil
Other		• • •	1,386

## 2. Population.

It is always difficult to form an exact estimate of the population, and many factors have to be taken into consideration when arriving at what should be the correct figure. This difficulty has been greatly enhanced by the large amount of immigration during the year. The number of dwelling houses as ascertained from the Rate Book in October, 1934 was 21,737, and of these about 650 were known to be empty. The number of persons per individual family, as ascertained from the last census, was 3'8, and applying this figure to the number of inhabited houses, we arrive at a population of 80,130. The Registrar General's figure which must be used for calculating the birth and death rates, is 76,060, a difference of 4.070.

The following Table shows the progress made in the erection of new houses in the Borough since 1920:—

	A			
Year.	Total Houses erected.	Council.	Subsidy	Other.
1920	86	49	27	10
1921	74	51	22	1
1922	90	16	47	27
1923	95		13	82
1924	277		242	35
1925	389	2 (steel)	353	34
1926	543	96	406	41
1927	575	226	285	64
1928	491	32	334	125
1929	587		420	167
1930	385			385
1931	586	48		538
1932	761	120		641
1933	933		_	933
1934	1386			1386
	7172	591	2122	4459
1930 1931 1932 1933	385 586 761 933 1386			385 538 641 933 1386

#### 3. Extracts from Vital Statistics for the Year 1934.

			Total	Males	Females
Time Dinkles	Legitimate	• • •	1084	555	529
Live Birtins	Illegitimate		45	23	2.9.

Birth rate per 1,000 of estimated resident population, 14'8.

			Total	Males	Females
C(11 D')	Legitimate	 	51	26	25
Still Births	Legitimate Illegitimate	 • • •	2	2	

Rate per 1,000 total (Live and Still) births, 15'6.

				Total	Males	Females
Deaths	 • • •	• • •	• • •	840	433	407

Death Rate per 1,000 of estimated resident population, 11'04.

Deaths from puerperal causes (Headings 29 and 30 of Registrar General's Short List):—

,				Rate per 1,000 total
			Deaths	(live and still) births
No. 29.	Puerperal Sepsis		4	<b>3*3</b> <sup>-</sup>
No. 30.	Other puerperal causes	• • •	3	2.2
				Aphymylennikagydyna
	Total		7	5.8
				And described

Death Rate of Infants under 1 year of age:-

All Infants per 1	,000 live births	• • •	• • •	• • •	46'9
Legitimate per 1	,000 legitimate births	• • •	• • •	• • •	46'1
Illegitimate per	1,000 illegitimate births	• • •	• • •	• • •	66.6
Deaths from Me	asles (all ages)	• • •	• • •	• • •	1
,, Wh	looping Cough (all ages)	• • •	• • •	• • •	1
,, Dia	rrhœa (under 2 years)	• • •		• • •	4

No unusual or excessive mortality during the year requires to be mentioned.

(Provisional figures. The rates for England and Wales have been calculated on a population estimated to the middle of 1934, but those for London and the towns have been calculated on populations estimated to the middle of 1933).

	Rat per 1 popul	,000		Annual Death-rate per 1,000 population.				TION.			
	Live Births.	Still Births	All Causes	Typhoid and Paratyphoid Fevers.	Small-pox.	Measles.	Scarlet Fever.	Whooping cough.	Diphtheria.	Influenza.	Violence.
England and Wales	14.8	0.62	11.8	0.00	0.00	0.09	0.02	0.02	0.10	0.14	0.54
121 County Boroughs and Great Towns, including London	14.7	0.66	11.8	0.00	0.00	0.12	0.02	0.06	0.11	0.12	0.47
135 Smaller Towns (1931  Census Populations 25,000—50,000)  London  LUTON	15.0 13.2 14.8	0.20	11 <sup>.</sup> 3 11 <sup>.</sup> 9 11 <sup>.</sup> 04	0.00 0.00 0.00	0.00	0.07 0.20 0.01	0.02 0.02 0.00	0·04 0·07 0·01	0.09 0.11 0.42	0·14 0·12 0·17	0°42 0°56 0°40

	RATE PE LIVE B		Percentage of Total Deaths.				
	Diarrhœa and Enteritis (under 2 Years).	Total Deaths under One Year.	Certified by Registered Medical Practitioners.	Inquest Cases.	Certified by Coroner after P.M. No Inquest.	Uncertified Causes of Death.	
England and Wales	5.2	59	90.4	6.2	2.1	1.0	
121 County Boroughs and Great Towns, including London	7.4	63	90.2	6.1	2.8	0.2	
135 Smaller Towns (1931 Census Populations 25,000—50,000)  London		53 67 47	91·2 87·7 88·1	6·1 6·3 9·0	1.6 6.0 0.3	1·1 0·0 2·6	

The Maternal Mortality rates for England and Wales are as follows:—

Per 1,000 Live Births ,, Total Births	Puerpe	eral Sepsis. 2.03 1.95	Others. 2:57 2:46	Total. 4 60 4 41
LUTON:—				
Per 1,000 Live Births	• • •	3.54	2.65	6·19
,, Total Births	• • •	3.38	2.53	5.91

#### Section B.

## General Provision of Health Services for the Area.

- 4. Professional Nursing in the Home.
- (a) General. The Luton Nursing Association, which was formed in 1933, has made excellent progress, and through the courtesy of the Secretary the following figures are reproduced to show the activities of the Association:—
  - "Eight Nurses are employed, and during the year they paid 21,250 visits.
- "Arrangements are being made with certain Companies to provide nursing under Group Insurance Schemes, and for the after-care of Hospital patients.
- (b) The St. John Ambulance Brigade, Luton No. III Division, is now complete with a Ladies' Section and Medical Comforts Depôt, and articles for the sick room, furniture, &c., can be obtained at a moment's notice.
- (c) Infectious cases not removed to Hospital are generally nursed by parents. Severe cases are often attended by the Parish Nurse and the Health Visitors. During the year 75'9% of the cases of the notifiable infectious diseases, for which hospital accommodation is provided, were removed to hospital.

MIDWIVES. No municipal midwives are employed. 29 midwives practise in the town.

#### 5. HOSPITAL AND AMBULANCE FACILITIES.

Hospitals provided or subsidised by the Local Authority, or by the County Council for:—

- (1) Tuberculosis. Mogerhanger Park Sanatorium, near Sandy, Beds.
- (2) Maternity. Borough Maternity Home, 12 beds (closed February, 1934).
- (3) Children. Children's Hospital, London Road, Luton.
- (4) Fever. Isolation Hospital Spittlesea, Luton. 50 beds.
- (5) Smallpox. Borough Smallpox Hospital. 8 beds.
- (6) Other. Bute Hospital, Luton (General). 50 beds.
- (7) Bute Nursing Home. Paying Wards.

#### AMBULANCE FACILITIES.

- (a) Infectious cases: One motor Ambulance, the property of the Town Council.
  - (b) Rubber-tyred horse ambulance for Smallpox cases.
- (c) Non-infectious and Accident cases: Two motor ambulances, provided by the Town Council, and kept at the local Police Station.
- No. III Division St. John Ambulance Brigade: Two hand litters and six stretchers. Personnel about 30 men.

#### CLINICS AND TREATMENT CENTRES.

Name.	Situation.	Nature of Accommodation.	By whom Provided.
Maternity and Child Welfare Centres	7 in Number, situated in Halls rented for the pur-	Consultation and treatment by M.O.H. and Assist. M.O.H.	Borough Council.
Day Nurseries	pose. Nil.		elater-
School Clinic	Waller Street	Minor ailments, Ringworms, &c.	Education Committee.
Ante Natal Clinic	52 Napier Road 37 Waller Street	Consultation by M.O.H.	Borough Council.
Tuberculosis Dispensary	Church Street	Diagnosis and treatment, suitable cases sent to County Sanatorium.	Beds. County Council.
Venereal Dispensary	Bute Hospital	Consulting Rooms and rooms for treatment.	Beds. County Council.

## 6. Maternity and Child Welfare.

#### MATERNAL MORTALITY.

At the end of February, 1934, it was found necessary to close the Borough Maternity Home, Napier Road, as the demands on its accommodation were impossible to meet. From its inception in July, 1928, to the date of closure, 792 mothers passed through the Home.

In this whole series of cases there was only one maternal death from Puerperal Sepsis, this being the case which was removed to, and died in Spittlesea Hospital early in 1934. The maternal death rate from Sepsis, for the Home therefore, for the period in which it was in operation was 1'2 per 1,000 patients as against 2'03 per 1,000 for England and Wales. When it is remembered that many of the cases in the Home were abnormal ones, the results must be considered most satisfactory.

The loss of the Home has been acutely felt by many mothers, and no time has been lost in preparing for a new and up-to-date Home. It is satisfactory to report that the site has been procured, plans prepared and submitted to the Ministry, and that building operations should be commenced at a very early date.

#### INFANT MORTALITY.

53 children under one year of age died during the year, as compared with 44 last year. The Infantile Death Rate, i.e., the deaths of children under one year of age per 1,000 children born is 47.

The following figures are given for comparison:—

			ns under 1 year
		per 1,	000 Live Births.
• •	• • •	• • •	59
• • •	• • •	• • •	63
• • •	• • •	• • •	53
• • •	• • •	• • •	67
• • •	• • •	• • •	47
	•••		per 1,0

The following Table shows the sales of foodstuffs, medicines, &c., at the various centres for the year ended 31st March, 1935:—

		er-	Ost	- 1				d Ga			I	axo	Amh	rosia		rosia
	mı	lk.	milk	No.2	Full C	ream	½ Cr	eam	choc	olate	$\frac{1}{2}$ C <sub>1</sub>	eam			with	Iron
Centre.																
	S.	F.	S.	F.	S.	F.	S.	F.	S.	F.	S.	F.	S.	F.	S.	F.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
D D. 1. D.1	0.00	1.4	00		OFCE	05	177		2				50		10	
Bury Park Rd.	263	14	23	•••	2565	95	17	•••	2	•••	•••	•••	50	•••	12	• • •
Castle Street	60		28		1525	226							269	200		
Castio Otroct					1020					•••		***			•••	•••
Church Street	58	2	• • •		993	109				• • •	• • •		48	13	34	•••
Cobden Street	22	1	3	•••	1085	165	2	•••	• • •	•••	•••	•••	62	44	•••	•••
w ww. 1	100	- 4	0		700	104	4	1	8	9			C4	40		
Lee Ward	109	54	8	•••	762	124	4	I	0	9	•••	•••	64	48	•••	• • •
Beech Hill	68	2	8	2	1346	87	4						7	11		
Decen IIII		_		_	1010		Î				•••	•••	1	^ ^	•••	• • •
Stopsley					231	46	•••					• • •	20	28	•••	
, ,													1			
Public Health	35	14	7		983	147	8	2	•••	• • •	1	•••	118	27	4	•••
Office					0.405											
	615	87	77	2	9490	999	35	3	10	9	1	•••	638	371	50	• • •

Centre.		land lk.	Lac ge		Tr	u- ood,	Alm @	ata 2/3		nata 1/9	Ru	ısks	Vi	rol.	Mal	to- line.
Centre.	S. lbs.	F. lbs.	S. lbs.	F. lbs.	S. lbs.	F.	S. lbs.	F.	S. 12oz	F. 12oz	S.	F.	S. ½ 1b.	F. 1/2 lb.	S. ½ lb.	F. ½ lb.
Bury Fark Rd.	41	8	14	• • •	47	•••	4	•••	• • •	•••	33		235	• • •	48	•••
Castle Street	44	71	•••	• • •	210	1	•••	• • •	•••	•••	10	•••	78	1	1	•••
Church Street	12	11	•••	•••	88	•••			•••	•••	18	•••	67	• • •	21	2
Cobden Street	13	48	19	•••	78	27			8	•••	3	•••	113	4	8	***
Lee Ward	7	30	33	•••	30	•••	8	• • •	•••	•••	•••	•••	88	• • •	20	1
Beech Hill	39	66	14	•••	31	•••	36		3	• • •		•••	144	3	81	
Stopsley	•••	16	• • •	•••	52	•••	29	• • •	44	•••	<b></b>	•••	51	3	•••	•••
Public Health	34	58	10	•••	52	3	5		12		5	•••	38	1	17	• • •
Office.	190	308	90	• • •	588	31	82		67		69	• • •	814	12	196	3

Contro			een Aberdeen 6d Em @ 1/-							sting vd <b>e</b> r.	Te	ats.	Val	ves.	1	ota	l
Centre.		F. 6 oz. tles		F. 6 oz. tles	S. 4oz bot	F. 4oz tles	S. 2 oz. bot	F. 2 oz. tles	S.	F.	S.	F.	S.	F.			
Bury Park Rd.	248	2	43	1	59	1	134	3	73	• • •	220	•••	130	•••	£ 300	<b>s</b> . 11	d. 7½
Castle Street	81	42	13	13	16	18	102	35	54	1	100	•••	<b>5</b> 9	• • •	205	5	$5\frac{1}{2}$
Church Street	148	1	19	2	48	8	45	4	13	•••	40	•••	20	•••	123	0	51/2
Cobden Street	142	26	26	11	49	6	61	18	94		45	•••	32	•••	130	15	$5\frac{1}{2}$
Lee Ward	211	11	18	6	38	12	72	18	62	•••	52	• • •	27	• • •	107	2	11
Beech Hill	189	2	24	•••	30		86	9	176	•••	98	•••	72	•••	160	7	10
Stopsley	63	48	5	9	14	22	37	2	30	1	23	•••	17	•••	41	7	10
Public Health	53	6	1	•••	3	2	68	7	12		19	•••	6	•••	119	3	$2\frac{1}{2}$
Office	1135	138	149	42	257	<b>6</b> 9	605	96	514	2	597		363	•••	1187	14	0

S=Sold. F=Free.

1934. 1933.
Total Dried Milk sold ... 11,933 lbs. 8,668.
,, given ... 1,810 lbs. 1,584.
Medicine, &c., sold ... £112 14 8. £85:10:10.

The subjoined Table shows the attendances at the seven Welfare Centres during the year:—

			1			·			-		39.					
TOTATA	ALS:	Infants Weighed.	1456	1355	1283	1190	1306	1679	1365	1368	1561	1789	1676	1371	17399	14546
ToT		Consul- tations.	730	714	099	621	647	734	542	710	741	729	705	509	8042	7559
	sley.	Infants weighed	113	66	83	95	117	166	96	111	110	108	110	97	1305	501
	Stopsley.	Consultations.	57	54	61	73	89	94	20	75	64	82	69	55	802	285
	Hill.	Infants weighed.	221	219	208	180	185	223	176	214	271	271	241	165	2574	2346
	Beech Hill	Consultations.	26	91	96	72	84	85	64	106	114	96	99	45	1016	1049
	Lee Ward.	Infants weighed.	275	190	201	150	226	265	206	238	256	243	232	280	2762	2033
ntres.	Lee	Consultations.	138	86	78	85	84	85	48	66	120	73	83	99	1045	992
Number of Attendances at Centres	Park.	Infants weighed.	270	275	289	268	180	373	242	250	300	319	348	203	3317	3093
of Attends	Bury Park	Consultations.	100	100	111	93	72	119	74	126	112	81	109	48	1145	1251
Number	Street.	Infants weighed.	164	169	173	191	231	240	260	237	261	286	293	195	2640	2439
	Castle	Consultations.	117	158	118	134	146	159	120	145	138	135	160	93	1623	1216
	Street.	Infants weighed.	217	244	185	168	244	263	248	170	194	305	244	197	2679	2244
7	Cobden Street.	Consultations.	92	114	86	81	121	104	94	73	107	136	112	94	1226	1660
5	Street.	Infants weighed.	196	159	144	138	123	149	197	148	169	257	208	234	2122	1890
	Church Street.	Consultations.	129	111	86	83	72	88	92	98	98	126	106	108	1185	1106
	1934. Month		January	February	March	April	May	June	July	August	September	October	November	December	TOTALS	Last Year





The actual number of individual children added to the books of each Centre during the year is shown in the following Table:—

Name of C	entre		Und <b>e</b> r 1 year.	1—5 years.
Church Street		• • •	76	36
Castle Street		• • •	100	3 <b>3</b>
Cobden Street	• • •	• • •	105	48
Bury Park	• • •	• • •	119	10
Lee Ward	•••		125	20
Beech Hill		•••	80	48
Stopsley	• • •	• • •	40	19
То	tals	•••	645	214

The total number of children registered at the end of the year is given below in Tabular Form:—

Church Street	• • •	• • •	• • •		217
Castle Street	• • •	• • •	• • •	• • •	256
Cobden Street	• • •	• • •	• • •	• • •	301
Bury Park	• • •	• • •	• • •	• • •	287
Lee Ward	• • •	•••	• • •	• • •	269
Beech Hill	• • •	• • •	• • •	• • •	260
Stopsley	• • •	• • •	• • •	• • •	115
			Total	• • •	1705

There were 79 mothers in attendance at the Ante-Natal Clinic at the end of the year.

The following Table gives a summary of the visits paid by the Health Visitors during the year. It has been re-cast to show in more detail the nature of the visits:—

				Hor	ne Visits	by Hea	alth Visit	ors.			
1934.		dren 1 year.	Chile 1-5 y	dren ears.	Expe Mot			ecial Vis	its.	Infant Life	Total
	1st Visits.	Re- visits.	1st Visits.	Re- visits.	1st Visits.	Re- visits.	Milk applica'ns		Sick- ness,&c	Protection.	Visits
January	108	201	32	461	24	31	45	91	173	21	1187
February	79	163	10	486	39	8	42	99	175	25	1126
March	97	114	11	355	69	1	58	105	149	27	986
April	95	165	21	449	110	17	72	5 <b>5</b>	120	26	1130
May	78	193	20	617	91	***********	69	71	68	59	1266
June	105	172	17	503	34	16	69	80	159	32	1187
July	88	79	19	256	34	25	37	68	112	29	747
August	123	184	20	401	31	9	36	61	109	44	1018
September	91	146	19	339	30	7	65	89	105	13	904
October	109	234	24	484	29	17	85	80	108	24	1194
November	61	200	19	544	10	33	27	110	219	28	1251
December	54	143	28	349	11	1	10	112	144	44	896
Totals	1088	1994	240	5244	512	165	615	1021	1641	372	12892

The following Table sets out the conditions found at the homes visited by the Health Visitors:—

						мот	HER.					
1934.	Wo	RK.	Нва	LTH.	Attend Child	Birth.	Hist'y of Tuber-	]	Feeding			ng at nths.
	House	Other	Good.	Bad.	Doctor	M'wfe	culosis	В.	Α.	B.&A.	В.	A.
January	89	9	89	9	58	40	3	68	19	6	47	39
February	67	15	72	10	43	39	4	62	12	8	42	33
March	67	16	77	6	45	38	2	58	18	6	42	39
April	81	8	85	4	51	38	7	74	9	6	47	40
May	80	11	88	3	44	47	2	72	13	6	53	33
June	98	13	98	13	68	43	7	89	17	6	46	23
July	71	10	78	3	52	29		72	6	3	37	25
August	90	13	92	11	53	50	1	81	13	9	50	28
September	90	14	96	8	50	54	3	80	18	3	35	10
October	81	14	91	4	47	48	1	70	18	7		
November	79	9	82	6	45	43		74	12	2	_	
December	76	7	78	5	49	34	2	70	11	1		
Totals	969	139	1026	82	605	503	32	870	166	63	399	270

22 Records were unobtainable.

#### ANTE-NATAL CLINIC, 1934.

Record of attendances of Patients and Nurses:-

a or acce	JIIGG			and runs	03.				
		Patients	Nurses					Patients	Nurses
January	7	14	3		J.	uly	• • •	28	1
Februa	r <b>y</b>	12	1		A	lugust	• • •	16	-
March	•••	11	1		S	eptember	ſ	<b>2</b> 9	
April		10			C	)ctober	• • •	45	-
May	• • •	10			N	lovember	• • •	34	-
June	•••	26	2		I	e <b>cember</b>	• • •	20	-
						Total	•••	255	8
		Renew	als .	free milk nnection wi	***	64 224 e 615			

#### INFANT LIFE PROTECTION ACTS, 1931.

Number of Foster-Mothers on Register	• • •	• • •		• • •	17
" " Children on Register …	•••	• • •	• • •	•••	32
Children transferred to other districts	• • •	• • •	• • •	• • •	3
" Parents	• • •	• • •	•••	• • •	9
" Legally Adopted	•••	• • •	•••	• • •	2
,, on Register at the end of 1934	• • •		• • •	• • •	18
,, over 9 years of age during year	• • •	• • •	• • •	• • •	0
Visits paid in connection with above	• • •	• • •	• • •	• • •	372

# 7. Legislation.

The Luton Corporation Act, 1911 (1 and 2 Geo. V. Ch. lxxxvii).

Baths and Wash-houses Act, 1846, adopted July, 1871.

Infectious Diseases (Not.) Act, 1889, adopted January, 1896.

Infectious Diseases (Prev.) Act, 1890, adopted January, 1896.

Public Health Acts (Amendment) Act, 1890, Parts II, III, IV and V, adopted May, 1891.

Notification of Births Act, 1907, adopted January, 1908.

Public Health Act, 1925, Parts II, III, IV and V, 9th November, 1925.

Ventilation of Buildings, adopted 2nd February, 1932.

Regulations as to Movement of Sheep, adopted 27th June, 1933.

Employment of Children, adopted 5th June, 1934.

The following provisions of the Public Health Acts (Amendment) Act, 1907, are in force in the Borough:—

Sections 78, 79, 80, 81, 84 and 86 of Part VII, and Parts VIII and IX, under an Order made by the Secretary of State No. 172460/3 dated 4.1.09 and Parts II, III, IV, V and VI, and Sections 92 and 95 comprised in Part X (subject to certain conditions and adaptions) under an Order dated 15.3.09.

Order No. 57250, dated 30th June, 1911, confirming an Order under Section 51 of the Public Health Acts (Amendment) Act, 1907, declaring the following trades or businesses, viz:—

(a) Dealer in Hides, Skins and Fats;

(b) Fish Fryer;

to be Offensive Trades.

Name				Wh	en made by Council
Cleansing of Footways and P	avem	ents	• • •	• • •	5th Feb., 1929
Management and use of Bath	S	• • •	• • •	• • •	7th July, 1896
Slaughter Houses	• • •	• • •	• • •	• • •	5th Mar., 1929
Common Lodging Houses			• • •	• • •	7th July, 1896
Nuisances	• • •		• • •	• • •	5th Feb., 1929
Regulation under D.A.A. and	Glan	ders C	rder, 1	907	4th Feb., 1908
Regulations as to Pig Dealers	3	• • •	• • •	• • •	2nd Feb., 1909
Regulations Underground Sle	eping	Room	ıs		15th April, 1924

## Section C. Sanitary Circumstances of the Area.

8. (a) WATER. Luton has an abundant supply of excellent water of high bacterial purity, derived from deep wells in the chalk and distributed by the Luton Water Company. The supply is constant through iron pipes, and in a number of instances the supply is derived from standpipes. There is no possibility of the source of supply being contaminated. In the recently added portion of the Borough the water supply is partly on the constant system from the same source as the Old Borough and partly from wells, where, in the absence of information concerning same and because the River Lee rises in the district, it is presumed that most of them are shallow in character. The latest analyst's Report is appended (March, 1934):—

ANALYSIS (expressed in terms of grains per gallon).

Town's Sup

			_	Town's	Supply.
Free Ammonia	• • •	• • •	• • •	• • •	0.0011
Albuminoid Ami	monia	• • •	• • •	• • •	0.0002
Oxygen absorbed	d in 4	hours at	80 deg.	F.	0.013
Nitrogen as Nitr	rates	• • •	• • •	• • •	0.244
Nitrites	• • •	• • •	• • •	• • •	Nil
Chlorine	• • •	• • •	• • •	• • •	1.6
Hardness, Total	• •	• • •	• • •	•••	23'0
" Perma	anent	• • •	• • •	• • •	6.0
Total Solid Matt	er	• • •	* * *	• • •	29'4

The sample was clear and free from smell.

A microscopic examination revealed the presence of a few fragments of vegetable and some mineral matter.

OPINION. This is a hard water of great organic purity which appears to have been subject to some bacteriological contamination, and although the organisms present are not of an objectionable character, the water cannot be regarded as being in its best condition at the present time. It may, however, be safely used for dietetic purposes, but steps should be taken to improve its condition.

(Signed) J. KEAR COLWELL.

A copy of the above report was immediately forwarded to the local Water Company.

# Extracts from Reports on Water Supplies by the Analyst.

During the year 22 samples of water were analysed and reported upon as per table herewith:—

110 Pump	0.0004 0.0011 0.028 0.211 Nil 1.4 26.0 5.5 32.2	240 10 1 absent 50 c.c.
109 Pump	0.0052 0.0010 0.035 0.273 Nil 1.5 7.0 33.6	1440 uncount- able 4 absent 50 c.c.
108 Pump	0.0003 0.0007 0.021 0.228 Nil 1.5 1.5 25.0 6.0	25 6 Nil in 2 c.c. absent 50 c.c.
Tap from Storage Tank	0.0005 0.0010 0.018 0.051 Nil 0.7 22.0 4.0	20 4 25 absent 50 c.c.
10 <b>6</b> Pump	0.0007 0.0019 0.015 0.218 Nil 2.1 2.1 29.0 11.0	over 2000 uncount- able  11 present 10 c.c. absent from 5 c.c.
105 Pump	0.0007 0.0012 0.015 0.286 Nil 1.0 20.0 6.0 6.0	30 5 5 absent from 50 c.c.
104 Pump	0.0007 0.0010 0.021 0.174 Nil 0.9 21.0 5.5 24.5	15 5 3 absent from 100 c.c.
103 Town Main	0.0011 0.0007 0.013 0.244 Nil 1.6 23.0 6.0 29.4	115 55 1 absent from 100 c.c.
102 Pump	0.0007 0.0019 0.244 0.244 Nil 1.0 19.0 4.0	30 1 1 absent from 100 c.c.
101 Rain Water Tank	0.0371 0.0052 0.212 0.074 trace 0.6 11.0 7.0	25 1 2 present 100 c.c. absent from 50 c.c.
100 Rain Water Tank	0.0007 0.0012 0.050 0.050 Nill 0.5 5.0 4.5	440 220 absent from 100 c.c.
66 Pumb	0.0007 0.0007 0.0023 0.199 0.199 0.9 0.9 0.9 0.9 0.9 0.197 19.0 19.0 19.0	1 0 2 absent from 100 c.c.
Sample No Supplied from	ins I mmored in eg. Frates	Examination:— Examination:—  Number of Organisms per C.C. growing at 20° C. in 4 days Liquefying Organisms Number of Organisms per C.C. growing at 37° C. in 48 hours Bacillus Coli

1				
Pump	0.0011	0.025 0.267 0.267 Nil 1.5 28.0 8.0 8.0	25 absent	11 absent 100 c.c.
Pump	0.0067	0.078 0.321 Nil 1.7 27.0 8.0 67.9	120	Present 1 c.c.
Pump	0.0003	0.034 0.385 Nil 1.8 27.0 6.5 35.7	10 absent	absent 100 c.c.
Town Main from Storage Tank	0.0024	0.027 0.200 Nil 1.1 21.5 3.5 3.6	over 2000 10	250 present 25 c.c. absent 10 c.c.
116 Pump	0.0004	0.023 0.324 Nil 1.2 22.0 5.0 30.1	15	absent 100 c.c.
115 Pump	0.0008	0.039 0.286 Nil 1.2 24.0 5.5 35.7	15	absent 100 c.c.
114 Pump	0.0045	0.026 0.248 Nil 1.6 26.0 6.0 6.0	165 30	5 present 10 c.c. absent 5 c.c.
113 Pump	0.0011 0.0021	0.020 0.225 Nil 1.7 25.5 6.0 31.5	265 35	62 present 1 c.c.
112 Drain Outlet from Chemical Works	0.0053	0.872 0.193 trace 15.0 	• •	: :
River Lee	0.0367		ing approx. 100 grains oil)	<b>: :</b>
Sample No Supplied from	Analysis in grains per gallon:— Saline Ammonia Albuminoid Ammonia	Nitrogen as Nitrates  Nitrogen as Nitrates  Nitrites  Chlorine  Hardness (total)  (permanent)  Total Solid Matter	Bacteriological Examination:— Number of Organisms per C.C. growing at 20° C. in 4 days Liquefying Organisms	Number of Organisms per C.C. growing at 37º in 48 hours Bacillus Coli

#### EXTRACTS FROM REPORTS ON WATER SUPPLIES BY THE ANALYST.

Sample No. 100. 'This is a soft water exhibiting considerable evidence of bacteriological contamination, and although this is not probably of an objectionable character, I cannot recommend its use for dietetic purposes.' Sample taken from rainwater tank. Occupier instructed to boil all water used for dietary purposes from this source. Occupants also have access to well on adjoining premises. Supply from main not available at time of sampling.

Sample No. 101. "This is a soft water which has evidently been contaminated, and is, therefore, quite unsuitable for dietetic use." Sample taken from rainwater tank. Premises occupied irregularly by owner, who was instructed to boil all water used for dietetic purposes from this source. Supply from main not available at time of sampling.

- Sample No. 106. "This is a hard water exhibiting evidence of considerable contamination, and is, therefore, unsuitable for dietetic use." Sample taken from lift pump in a cowshed, the owner being notified that the water must not be used for any purposes connected with the production of milk. The premises have since been demolished.
- Sample No. 109. "This is a hard water exhibiting evidence of pollution, and I cannot recommend its use for dietetic purposes in its present condition." Sample taken from driven tube well. Occupier instructed to boil all water used for dietary or culinary purposes from this source. See report on Sample No. 113.
- Sample No. 111. "This sample of river water is not particularly satisfactory as there is probably an untreated effluent entering the river in the vicinity. The sample smelled of mineral oil, was brown in colour, turbid, and contained large masses of suspended solids." Sample taken from River Lee in Central Ward as a result of complaints of offensive smells.
- Sample No. 112. "This factory effluent cannot at the moment be regarded as harmful, but requires to be watched from time to time." Sample taken from drain outlet in manhole on footpath in Dallow Ward in connection with report on Sample No. 111. Matter reported to Borough Surveyor.
- Sample No. 113. "This is a hard water of considerable organic purity, but the bacterio-logical examination indicates that at present it is seriously contaminated, and therefore unfit for dietetic use." Sample taken from same source as No. 109. Occupier instructed to continue boiling all water used for dietary and culinary purposes. These premises have since been connected to Town main.
- Sample No. 114. "This is a hard water of considerable organic purity, which is not at its best condition at the present time, as the bacteriological examination affords evidence of undoubted contamination. Although it might be used for dietetic purposes, it should be carefully watched." Sample taken from Bore Tube. Occupier instructed to boil all water used for dietry and culinary purposes. Supply from main not available at time of sampling.
- Sample No. 117. "Although this sample is chemically in good condition, the bacteriological examination affords evidence of considerable pollution, and therefore its use for dietetic purposes in its present condition must be condemned." Sample taken from storage tank containing Town's water, which at the time of visit was found to be improperly covered. Notice served on owners to provide a sufficient water supply from the Town main, which has since been complied with.
- Sample No. 119. "This water is badly contaminated and quite unsuitable for dietetic use." Sample taken from shallow well, the bore of which had been recently lowered, the supply from the original level having failed. Letter sent to owner advising that application be made for the premises to be connected to the Town main, which has since been done.

It will be seen from the above copies of the Analyst's Reports that a number of the samples taken during the year were found to be unsatisfactory for dietetic and culinary purposes.

These samples were obtained from premises which derived their supply from sources other than the Town mains.

A number of complaints were received from residents in the Leagrave and Dunstable Road West Districts regarding insufficient water supplies. In each case this was found to be due to the failure of driven tube wells from which their supplies were obtained. This shortage of water was primarily due to the drought which has been in evidence over the whole country during the past twelve months.

The Luton Water Company are extending their mains in order to supply the following districts:—

Toddington Road, Locarno Avenue, Montague Avenue, Anstee Road,

Bramingham Road, Gooseberry Hill Estate,

Stanton Road.

It will be seen, therefore, that the greater portion of the premises from which complaints were received will shortly be in a position to obtain a suitable supply from the Town mains.

- (b) DRAINAGE AND SEWERAGE. The drainage of the old part of the Borough is semi-separate in character, the whole of the soil-water sewage being dealt with by filtration and the effluent returned to the River Lee at a point where the river leaves the Borough.
- (9) RIVERS AND STREAMS. The River Lee, which rises in the Borough, is only a tiny stream as it passes through the town. Many large work premises are situated on its banks, and complaints of offensive emanations are not uncommon. These happenings have at once been investigated and the trouble quickly abated. No really serious pollution has been discovered. The Lee, after passing through the town, receives the effluent from the Corporation Sewage Works, and, as the river afterwards helps to supply the City of London with drinking water, every precaution is taken to ensure as pure an effluent as possible. Samples are taken regularly and are, on the whole, satisfactory. The town has one representative on the Lee Conservancy Board.
- (10) (a) CLOSET ACCOMMODATION. (1) The whole of the closet accommodation in the old part of the Borough is on the water carriage system, there being not more than 50 premises which drain into cesspools.
  - (2) In the extended portion of the Borough the closet accommodation is of a mixed character. Earth closets, pail closets and water closets draining into cesspools, whilst those premises abutting on to the Old Borough Boundary are mostly drained into the Council's sewage system.
  - (3) Where possible, all cesspools are emptied by mechanical plant, but where such emptying is impossible, a hand-winch and buckets are employed. All pail closets are emptied once a week between 10 p.m. and 6 a.m., and dumb wells or cesspools as occasion requires. The contents of most cesspools are discharged into the Council's sewers, the remainder being broadcast on crops and grass land.
  - (b) PUBLIC CLEANSING. (1) All dry house refuse is disposed of by incineration and uncontrolled Tipping.

All house refuse is collected weekly by horse-drawn or motor vehicles. The following Table shows the weight of refuse collected during the year, from figures supplied by the Borough Engineer:—

	Motor Freighters	HD.
Weight destroyed at Refuse Destructor	Tns. cwts. 14043 5	
Weight taken to Tip	2766 0	326 5
Total	16809 5 22546 tons	

- (2) The substitution of Galvanised Iron Dust Bins for ashpits is being carried out under a Local Act, the change taking place only where ashpits are found defective. The number of conversions affected during the year was 10.
- 11. Sanitary Inspection of the Area. The following Tables give in detail the work done under this heading for the year 1934, the various items being shown:—

# (a) REMOVAL OF NUISANCES.

Premises havi			•••	• • •		• • •	• • •	• • •	• • •	151
Nuisances from	m Defective	e Drains.				• • •	• • •	• • •	• • •	279
"	"			ace W		• • •	• • •	• • •	• • •	15
"	Drains req	uiring re	constru	icting.	Soil	Water	•••		• • •	104
"	,,		,,		Surf	ac <mark>e</mark> Wa	ter	• • •	• • •	5
"	"	COI	nnectin	g to Se	ewer	• • •		• • •	• • •	2
"	Want of D		Soil Wa			• • •	• • •	• • •		11
"			Surface		r	• • •				11
	Drains not					• • •			•••	5
"	Choked In				• • •	•••	• • •	•••		2
" T	efective So				• • •	• • •			• • •	4
	Way	ntilation	Shafte	and M			• • •	• • •	• • •	143
"			Smarts	and w	iica va	11162	• • •	• • •	• • •	2
"	Absence of	,,		"	"		• • •	• • •	• • •	
"	Defective I				• • •		• • •	• • •	• • •	39
7)	Rain Wate				onnect	ing	• • •	• • •	• • •	80
Closets conve	rted to wate		_		• • •	• • •	• • •	• • •	• • •	0
New W.C.s en			• • •		•••	•••	•••	• • •	• • •	3
Insufficient W	C. accomn	nodation	, includ	ding D	efectiv	e Pans	and T	raps		106
Defective W.					• • •	• • •	• • •	• • •		61
" Wa	ste Pipes (B	Bath Lava	atory o	r Sinks	s)	• • •	• • •	• • •	• • •	24
Waste Pipes r						Sinks)	• • •	• • •	• • •	4
Houses havin		•••		• • •	•••		• • •			23
	Defective S		• • •			•••	•••	•••	• • •	67
"				Sintro	• • •	• • •	• • •	• • •	• • •	11
Naisanas fuor		Pointing				Dimas	• • •	• • •	• • •	
Nuisance from					water	Pipes	• • •	• • •	• • •	64
"		Cesspools		• • •	• • •	• • •	• • •	• • •	• • •	53
"	**	Street Gu		• • •	•••	• • •	• • •	• • •	• • •	<b>2</b> 9
"	,, I	House G	ullies	• • •	• • •	• • •	• • •	• • •	• • •	19
"	,,	Stagnant	Water	• • •		• • •	• • •		• • •	10
,,		Offensive	Accun	nulatio	ns	• • •	• • •			41
,,		Animals,	Poultr	v. &c.	• • •					8
	T	nfestatio			• • •	• • •	•••			15
"	7	Verminou			•••			•••	•••	138
"	* *	Cellar Dy				• • •	•••	• • •	• • •	_
"					• • •	• • •	• • •	• • •	• • •	0
"		Overcrow		· · · ·	- 337-4		. 1	• • •	• • •	3
"	* *	nsufficie		erectiv	re wat	er Supp	oly	• • •	• • •	64
"	* *	-	• • •	• • •	• • •	• • •	• • •	• • .	• • •	10
Nuisance fron				• • •	• • •	• • •	• • •	• • •	• • •	539
"	,, A	Absence (	of Dust	Bins	• • •	• • •	• • •	• • •	• • •	37
95	,, 3	Yard Pav	ing	• • •	• • •		• •	• • •	• • •	23
,,	,,	Wells or	Water	Supply	y	• • •	• • •	• • •	• • •	16
"	Rooms rec				• • •	• • •	• • •	• • •	• • •	407
	W.C.s.	))		•••			•••	• • •		38
"	Smoky Ho			•••	• • •		• • •	•••		13
"	Damp Hou				• • •	•••	• • •		• • •	1
"	Defective I					• • •	• • •	• • •	•••	61
"				oves	• • •	• • •	• • •	• • •	• • •	
"		Coppers		• • •	• • •	• • •	•••	• • •	• • •	38
"	//	Ventilatio		• • •	• • •	• • •	• • •	• • •	• • •	126
19	,,	Windows	or Do	ors	• • •	* * *	• • •	• • •	• • •	143
"	,,	Roofs	•••	• • •	• • •	• • •	• • •	• • •	• • •	99
99	,, I	Pointing	or Dan	np Wal	lls	• • •	• • •	• • •	• • •	90
"	,, I	Floors	• • •	• • •	• • •	• • •	• • •	• • •	• • •	78
,,	,, I	Plastering	g	• • •	• • •	• • •	• • •	• • •	• • •	136
"		Stairs	•••	• • •	• • •	• • •				12
		Gas Serv	ices or			• • •	• • •	• • •		38
"	Absence of			•	_		•••		• • •	0
"	Absence of	or Incl	efficient	Accor	nmoda	tion for				1
"	Absence of								C	48
N/ - 44			nu Auc	11 622 01	Owne	21 110111	Ment		• • •	
Matters unsch		• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
Installation of		• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
"	Wash Basi	ns	• • •	• • •	• • •	• • •	• • •	• • •	• • •	1
Van Dwelling		• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	3
Defective Gey			• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
Absence of H	andrail to S	tairs	• • •	• • •	• • •	• • •	• • •	• • •	• • •	4
Defective Cel	lar Gratings	S	• • •		• • •	• • •		• • •		1
Dangerous St		• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
Occupation of									n	
19 of Housi						•••	• • •			1
Refuse Stored			• • •	• • •	• • •	• • •	• • •			1
ALCIUS DIUICU	THURST A LUI	TTTOOD	~ ~ *	* * *			~ ~ .			*

## (b) FACTORIES, WORSHOPS AND WORKPLACES.

							Fac- tories.	Work- shops.	Work- places.
	Premises Involved						66	47	292
	Unregistered	• • •	•••	•••	•••	• • •	0	11	1
	Overcrowded	• • •	• • •	•••	n •••	• • •	0	0	0
	Without Abstract or Blue		• • •	• • •		• • •	0	5	0
	Requiring Lime-washing	or Clea	ansing	• • •	• • •	• • •	22	26	73
	" Drains or Drai			• • •	• • •	• • •	7	4	24
	" Lighting or alt			• • •	• • •	• • •	0	0	4
	,, Ventilating	• • •	• • •	• • •	• • •	• • •	0	0	$0 \\ 3$
	,, Water Supply		ioiont	• • •	• • •	• • •	0	$\frac{0}{2}$	3
	Sanitary Accommodation	Unsuita		 Defe	rtive	•••	10	4	43
		Not sepa				• • •	1	Ô	2
	Having Improper Accom						0	2	13
	Offensive Accumulations	• • •			•••	• • •	5	1	28
	Burning Trade Refuse	• • •	• • •	• • •	• • •	•••	1	0	0
	Illegal occupation of Und					• • •	0	0	0
	Dirty or improper Milk (			ptac	les	• • •	1	0	11
	Failing to return Lists of	Outwo	rkers	• • •	• • •	• • •	0	0	0
	Outwork in Unwholesom		ises	• • •	•••	• • •	0	0	0
	Outwork in Infected Pres	mises	• • •	• • •	• • •	• • •	0	0	0
	New W.C's. erected	• • •	• • •	• • •	•••	• • •	0	0	0
	Smoky Chimneys	• • •	• • •	• • •	• • •	• • •	16 1	0	$0 \\ 2$
	General Dilapidation Contravention M.M. Act	•••	4 0 0	• • •	• • •	• • •	0	0	58
	Unregistered Milk Vendo		··· remises	•••	• • •	• • •	0	0	37
	Contravention Slaughter				Section	 (1)	0	0	5
	Absence of, or insufficie						O	O	
	Manure		piacio			•••	0	0	3
	Warehouse occupied as I	Dwelling	house	•••	• • •	•••	0	0	1
	Contravention of Sale of	Food O	rder, 1	921	•••	• • •	0	0	1
	Distribution of Toys for		•••		• • •	•••	0	0	0
	Contravention of F. & W	.A. 190	1, Secti	ion 1	09	•••	0	1	0
		egulatio	ons, 192	24	•••	• • •	0	1	2
	River Pollution	•••	• • •	•••	•••	• • •	0	0	0
	Contravention Milk Dair	ries (Co	onsolida	ated)	Act, 1	915,		0	
	Section 6	1.01	1 .	• • •	• • •	• • •	0	0	3
	Slaughtering by Unlicens				•••	• • •	0	0	1
	Contravention Milk and		Oraer,	1926	· · · ·	• • •	0	0	5
	Discharge of Offensive G		• • •	• • •	***	• • •	$\frac{2}{0}$	0	0
	Infestation by Mice Nuisances from keeping 1	···	• • •	• • •	•••	• • •	0	0	1
	Contravention of Milk (Sp		esianat	ione	Order) 1	1923	0	0	$\overset{1}{2}$
	Defective Floors	···	···	10113	Oruci, i		Ü	ő	1
	Defective Paving of Dair		•••	•••	•••		Ö	Ö	î
	No Nuisance	•••	•••	• • •	• • •		4	0	2
									_
		Total	numbe	r of	Defects	• • •	71	<b>5</b> 9	331
								461	
								401	
Pre	emises involved in pre-	vious 7	l'able	com	prise:-				
	Allotments and	Waste C	Fround					11	
	Bakehouses	wasie C	Jiounu	•••	• • •	• • •	• • •	34	
	Blacksmiths	•••	•••	• • •	•••	• • •	• • •	4	
	Boot Repairers	• • •	• • •	•••			• • •	4	
	Box Factories		•••	• • •	• • •		• • •	2	
	Builders and Ca			• • •	• • •	• • •	• • •	$\frac{1}{2}$	
	Butchers' Shops		• • -	• • •	• • •	•••	• • •	13	
	Cafes and Resta		• • •			• • •	• • •	11	
	Chemical Factor	ries	• • •	• • •	• • •	• • •		8	
	Cinemas	• • •	• • •		• • •	•••		3	
	Cooked Food Pr	emises		• • •	• • •	• • •	• • •	2	
	Cowsheds							25	

25

67 2

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Engineering Works ... ...

á	Foundries	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	4
	Fruiterers as	nd Gre	en Gro	ocers	• • •			• • •		45
- (	Garages	• • •	• • •	• • •		• • •	• • •	• • •		7
	General Sto	res		• • •	• • •					6
	Grocers		• • •	• • •						5
	Hat Factori	es	•••	•••	• • •			•••		21
	r	•••	•••			•••		• • •		5
	Milk Shops				• • •	• • •				26
	Miscellaneo		• • •	• • • •	• • •	• • •	• • •	• • •	• • •	17
			•••	• • •	• • •	• • •	• • •	• • •	• • •	7
	Offensive Tr		• • •	• • •	• • •	• • •	• • •	• • •	• • •	-
	Offices and		• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
	Public Hous	ses	• • •	• • •	• • •	• • •	• • •	• • •	• • •	34
	River Lee	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	2
	Schools		• • •	• • •	• • •	• • •	• • •	• • •		8
	${\sf Slaughterho}$	uses	• • •	• • •	• • •	• • •		• • •	• • •	16
	Stables	• • •	• • •	• • •	• • •		• • •			6
	Tailors	• • •	• • •	• • •	• • •		• • •	• • •		5
										409
										403

#### NUISANCE FROM GRIT AND DUST.

During the past year considerable nuisance was experienced from the emission of dust and grit from a local Engineering Works.

Because of the density of the substance and the fineness of its texture, great difficulty was experienced in removing the dust from the presence of the workers and arresting it before passing into the atmosphere.

The premises were kept under close observation and the matter reported to the Health Committee from time to time. A deputation was arranged and consulted with the Management of the Works concerned, who, after due consideration and experiments with various appliances, decided to install a particular type of filter and media, which, it is believed, will obviate the nuisance.

#### (c) Housing Inspections.

Defects found in 112 houses inspected and recorded under the Housing Consolidated Regulations, 1925, and not included in above Schedule:—

Absence of owner's name fro	m Don	+ Pool							0
Absence of owner's name fro			•	• • •	• • •	• • •	• • •	• • •	0
Defective Walls or Pointing			• • •	• • •	• • •	• • •	• • •	• • •	91
" Roof			• • •	• • •	• • •	• • •	• • •	• • •	76
" Water supply			• • •	• • •	• • •	• • •	• • •	• • •	80
Insufficient Closet Accommod	dation	• • •			• • •				66
Defective Pan, Cistern or Se	at	• •	• • •		• • •				61
" Spouts °	•••				• • •	• • •			88
,, Vent Shafts		• • •				• • •			12
,, Sink, Bath or Lava						• • •	• • •	• • •	16
No Sink (or defective)		•••	•••		•••		•••	•••	78
Defective Ventilation									101
		• • •	• • •	• • •	• • •	• • •	• • •	• • •	
" Window Frames		• • •	• • •	• • •	• • •	• • •	• • •	• • •	92
Damp Houses			• • •	•	• • •	• • •	• • •	• • •	91
Defective Plaster on Walls or				• • •	• • •	• • •	• • •	• • •	95
Dirty Walls or Ceilings			• • •	• • •		• • •	• • •		56
Defective Yard Paving	•••	• • •	• • •	• • •	• • •	• • •	• • •		93
" Floors …	• • •	•••	• • •	• • •	• • •		• • •		99
No satisfactory Accommodat				e	• • •				101
Defective ashes place or bin		• • •			• • •	• • •	•••		31
No accommodation for ashes			•••	• • •	•••				6
Defective Drains					***	• • •	• • •		65
Miss Value fresh o				• • •	• • •	• • •	• • •	• • •	
" Mica Valve fresh a				• • •	• • •	• • •	• • •	• • •	0
,, or insufficient sub-				• • •	• • •	• • •	• • •	• • •	0
Overcrowding	•••	• • •	•••	•••		• • •	• • •	• • •	1
Unscheduled Defects	• • •	• • •	• • •		• • •	• • •	• • •	• • •	1340
					Total				2739

### (d) Number and Nature of Inspections Carried Out.

Cample: - t-											
Complaints	reported to	Pub	lic Hea	alth De	partn	nent	• • •	• • •	• • •	•••	299
Inspection o	f Premises	wher	e nuis	ances w	vere f	ound	• • •	• • •	• • •	• • •	2085
,,								• • •	• • •	• • •	153
,,								• • •	• • •	• • •	16
"				nsive to	rades	are cond	lucted	i	• • •	• • •	83
"					• • •	• • •	• • •	• • •	• • •	• • •	0
<b>"</b> "					• • •	• • •	•••	• • •	• • •	• • •	23
"			lging I		• • •	• • •	• • •	• • •	• • •	• • •	13
"						• • •	• • •	• • •	• • •	• • •	56
"							• • •	•••	• • •	• • •	1762
9.9			_	and Ice	crea	im Shop	S	• • •	• • •	• • •	811
"				• • •	• • •	• • •	• • •	• • •	• • •	• • •	128
12					• • •	• • •	• • •	• • •	• • •		132
,,					• • •	•••	• • •	• • •	• • •		141
"					• • •	• • •	• • •		• • •		78
"						• • •	• • •	• • •	• • •		45
"						•••	• • •	• • •	• • •		141
"						• • •					12
"											3
In amontion as								• • •	• • •		44
-	D .										942
		ons an	iu rna	rmacy.	ACIS						11
o.f	Dramicas:	unh ara				on					906
	Premises		outwo	ork is ca	arried			rl.org		• • •	896
Employers s	een p <mark>e</mark> rson	ally r	outwo e failu	ork is ca re to se	arried nd in	list of O	utwo	rkers	•••	• • •	42
Employers so Visits to proj	een p <mark>e</mark> rson perty unde	ally r er Not	outwo e failu i <b>c</b> e or	ork is ca re to se work in	arried nd in n pro	list of O gress	utwo	rkers	• • •	• • •	42 7082
Employers so Visits to prop Inspections of	een p <b>e</b> rson perty unde of Premise	ally r er Not s (und	outwo e failu i <b>c</b> e or ler Ho	ork is care to se work in using A	arried nd in pro act, 1	list of O gress 930, &c.)	utwo	rkers	•••	•••	42 7082 119
Employers so Visits to prop Inspections of Owners seen	een person perty unde of Premise personally	ially r er Not s (und	outwo e failu i <b>c</b> e or ler Ho 	ork is care to se work in using A	arried nd in pro act, 1	list of Ogress 930, &c.)	utwo	rkers	•••	• • •	42 7082 119 1338
Employers so Visits to prop Inspections of Owners seen Visits re strip	een person perty unde of Premise personally pping and	ally rer Noter Notes (und	outwo	ork is care to se work in using A	arried nd in n pro act, 19	list of O gress 930, &c.)	utwo  90	rkers  	•••	• • • •	42 7082 119 1338 601
Employers so Visits to prop Inspections of Owners seen	een person perty unde of Premise personally pping and	ally rer Noter Notes (und	outwo	ork is care to se work in using A	arried nd in n pro act, 19  I.D.I	list of O gress 930, &c.)	utwo	  	•••	•••	42 7082 119 1338 601 186
Employers so Visits to prop Inspections of Owners seen Visits re strip Sections of N	een person perty unde of Premise personally pping and New Drain	ally rer Not s (und y Clean	outwo e failu ice or ler Ho  using N ed and	re to se work in using A Notices	arried nd in n pro act, 19  I.D.I	list of O gress 930, &c.)	outwo 00	  	•••	• • • •	42 7082 119 1338 601 186 164
Employers so Visits to prop Inspections of Owners seen Visits re strip Sections of N Old Drains to	een person perty unde of Premise personally pping and New Drain ested	nally rer Not s (und y Clear s teste	outwo	re to se work in using A Notices	arried nd in n pro act, 1  I.D.I 	list of O gress 930, &c.) P.A., 189	outwo 00	rkers	•••	•••	42 7082 119 1338 601 186 164 119
Employers so Visits to prop Inspections of Owners seen Visits re strip Sections of N Old Drains t	een person perty unde of Premise personally pping and New Drain ested , and	tally rer Not s (und y Clear s tester found	outwo	re to se work in using A Notices found s	arried nd in n pro act, 19  I.D.I	list of O gress 930, &c.)	outwo 00	  	•••	•••	42 7082 119 1338 601 186 164 119 45
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of Modern Cold Drains to Smoke observations	een person perty unde of Premise personally pping and New Drain ested , and evations tal	ally rer Nots (und y) Clear stested	outwo	ork is care to se work in using A Notices found s	arried nd in pro Act, 19	list of O gress 930, &c.) P.A., 189	outwo 00	rkers	•••	•••	42 7082 119 1338 601 186 164 119 45 156
Employers so Visits to proprogrammer of North Market observations of North Market of North Market of North Market observations obser	een person perty unde of Premise personally pping and New Drain ested , and vations tal isits under	ally rer Nots (und y) Cleans tested found ken	outwo	re to se work in using A Notices found s 1 Drugs A	arried nd in pro Act, 19 I.D.I satisf	list of O gress 930, &c.) P.A., 189	outwo 00	  	•••		42 7082 119 1338 601 186 164 119 45 156 495
Employers so Visits to proprogramme of North Market of North Market Sample of North Market Number of Water sample	een person perty under of Premise personally pping and New Drain ested and vations tal isits under es taken for	ally rer Nots (und y) Clear Clear found ken Food or ana	outwo	ork is care to se work in using A Notices found s	arried nd in pro Act, 19 satisfa	list of O gress 930, &c.) P.A., 189	outwo 00		•••		42 7082 119 1338 601 186 164 119 45 156 495 39
Employers so Visits to proprogramme of North Market of Visits of Visits of North Market of Visits of Visits of North Market of Visits of V	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma	er Not ser Not ser Not ser Clear seste seste ser ser condition of an aurine Ser s	outwo	re to se work in using A Notices found s Drugs A	arried nd in pro Act, 19 satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of North Old Drains to Smoke obser Number of visits water sample Number of visits re strip Sections of North Number of visits re sample Number of visits r	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma	ally rer Not s (und y) Cleans tested found ken crana crine s tres, (	outwo	re to se work in using A Notices found s 1 Drugs A	arried nd in pro Act, 19 I.D.I Satisfa	list of O gress 930, &c.) P.A., 189	outwo 00		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of Modern Sections of Modern Sections of Modern Sections of Modern Sections of Water sample Number of Water Sections of Modern Sections of Water Sections of Wate	een person perty under of Premise personally pping and New Drain ested and vations tal isits under es taken for isits to Ma Thea under Ren	cr Not s (und y Clear s tested or anaurine s tres, (t Rest	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in pro Act, 19 satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of Modern Sections of Modern Sections of Modern Sections of Modern Sections of Water sample Number of Water sample Number of Water sample Number of Water Sections of Modern Sections of Number of Water Sections of Number of Numb	een person perty under of Premise personally pping and New Drain ested and vations tal isits under es taken for isits to Ma Thea ander Ren isits under	cr Not s (und y Clear s tested or anaurine s tres, (t Rest	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in pro Act, 19 I.D.I Satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of North Old Drains to Smoke obser Number of visits ample Number of visits and Number of Visit	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma Thea under Ren isits under ts:—	cr Not s (und y Clear s tested or anaurine s tres, (t Rest	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in pro Act, 19 satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15 0 4
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of North Old Drains to Smoke obser Number of visits ample Number of visits to Factoria with the Sections of Number of visits to Factoria with the Sections of Number of visits to Factoria with the Sections of Number of visits to Factoria with the Sections of Number of visits to Factoria with the Sections of Number of visits to Factoria with the Sections of Number of Visits to Factoria with the Number of Visits	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma , Thea inder Ren isits under ts:— tories	cr Not s (und y Clear of cound ken cr Food tres, (tres, from Rag	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in pro Act, 19 satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15 0 4
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of Modern Sections of Modern Sections of Modern Sections of Water sample Number of visits to Factions of Visits to Factions of Water Sections of Visits to Factions of Visits of Factions of Visits	een person perty under of Premise personally pping and New Drain ested and vations tal isits under es taken for isits to Ma Thea inder Ren isits under ts:— ctories orkshops	cr Not s (und y Clear of cound ken cr Food tres, (trest Rag	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in product, 19 I.D.I satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15 0 4
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of Modern Sections of Modern Sections of Modern Sections of Modern Sections of Water sample Number of Water sample Number of Water Sections of Modern Sections of Water Sections of W	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma Thea ander Ren isits under ests:— ctories orkshops orkplaces	ally rer Nots (und y) Cleans tested found ken response Food or analy tres, (the Rag	outwo	ork is care to se work in using A Notices found s  Drugs A as, &c. as Acts Act	arried nd in pro Act, 19	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15 0 4
Employers so Visits to propose Inspections of Owners seen Visits re strip Sections of North Old Drains to Smoke obser Number of visits and Number of visits to Factions of Visits to Factions to Work Water sample Number of visits to Factions of Visits of Factions of Visits of V	een person perty under of Premise personally pping and New Drain ested , and vations tal isits under es taken for isits to Ma , Thea inder Ren isits under ts:— tories orkshops orkplaces welling Ho	ally rer Nots (und y) Cleans tested found ken response Food or analy tres, (the Rag	outwo	ork is care to se work in using A Notices found s Drugs A as, &c.	arried nd in product, 19 I.D.I satisfa	list of O gress 930, &c.) P.A., 189	outwo		•••		42 7082 119 1338 601 186 164 119 45 156 495 39 9 15 0 4
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,, Premise ,, Premise ,, Cellar I ,, Cooked ,, Commo ,, Schools ,, Slaught ,, Dairies, ,, Cowshe ,, Bakehoo ,, Markets ,, Cattle M ,, Van Dw ,, Public a ,, Dance I ,, Billiard ,, Cafés an	,, Premises when Premises when Premises when Cellar Dwelling Cooked Food Common Lod Schools Slaughterhou Dairies, Milk Cowsheds Bakehouses Markets and Schools Markets and Schools Bakehouses Markets and Schools Bakehouses Markets and Schools Bakehouses Markets and Schools Bakehouses Bak	Premises where fish Premises where offer Cellar Dwellings Cooked Food Premises Common Lodging Foods Schools Slaughterhouses Dairies, Milkshops Cowsheds Markets and Shops Cattle Markets Van Dwellings Public and Private Dance Halls Milliard Halls Milliard Halls Milliard Markets Markets and Dining R	Premises where fish curing Premises where offensive to Cellar Dwellings  Cooked Food Premises Common Lodging Houses Schools  Slaughterhouses  Dairies, Milkshops and Ice Cowsheds  Markets and Shops  Markets and Shops  Cattle Markets  Van Dwellings  Public and Private Urinals Dance Halls  Billiard Halls  Cafés and Dining Rooms  Inspection under Merchandise Marks Act	Premises where fish curing is compremises where offensive trades Cellar Dwellings	Premises where fish curing is conducted Premises where offensive trades are cond Cellar Dwellings Cooked Food Premises Common Lodging Houses Schools Schools Slaughterhouses Dairies, Milkshops and Ice Cream Shop Cowsheds Markets and Shops Cattle Markets Van Dwellings Public and Private Urinals, &c.,  Public and Dining Rooms Inspection under Merchandise Marks Act  Poisons and Pharmacy Acts	Premises where fish curing is conducted  Premises where offensive trades are conducted  Cellar Dwellings  Cooked Food Premises  Common Lodging Houses  Schools  Schools  Dairies, Milkshops and Ice Cream Shops  Cowsheds  Markets and Shops  Markets and Shops  Cattle Markets  Yan Dwellings  Public and Private Urinals, &c.,  Billiard Halls  Cafés and Dining Rooms  Inspection under Merchandise Marks Act	Premises where fish curing is conducted  Premises where offensive trades are conducted  Cellar Dwellings  Cooked Food Premises  Common Lodging Houses  Schools  Slaughterhouses  Dairies, Milkshops and Ice Cream Shops  Cowsheds  Bakehouses  Markets and Shops  Cattle Markets.  Public and Private Urinals, &c.,  Billiard Halls  Billiard Halls  Cafés and Dining Rooms  Inspection under Merchandise Marks Act  Poisons and Pharmacy Acts	Premises where fish curing is conducted  Premises where offensive trades are conducted  Cellar Dwellings  Cooked Food Premises  Common Lodging Houses  Schools  Slaughterhouses  Dairies, Milkshops and Ice Cream Shops  Cowsheds  Markets and Shops  Cattle Markets  Public and Private Urinals, &c.,  Public and Dining Rooms  Inspection under Merchandise Marks Act  Poisone and Pharmacy Acts	Premises where fish curing is conducted Premises where offensive trades are conducted Cellar Dwellings Cooked Food Premises Common Lodging Houses Schools Slaughterhouses Dairies, Milkshops and Ice Cream Shops Cowsheds Bakehouses Cattle Markets Public and Private Urinals, &c.,  Public and Private Urinals, &c.,  Billiard Halls Cafés and Dining Rooms Inspection under Merchandise Marks Act

### (e) STATUTORY NOTICES.

Number of legal notices issued for abatement or abolition of nuisances:—

									S	Served.	Complied with
Public He	ealth A	ct, 187 <mark>5</mark>	, Sect	ion <b>36</b>	• • •			• • •		3	3
,,	,,		,,			• • •	• • •		• • •	128	98
Luton Co				Section	36	• • •	• • •	• • •	• • •	<b>55</b>	54
I.D.P.A.,					• • •	• • •	•••	• • •	• • •	30	<i>3</i> <b>0</b>
Public He		`		ent) Act	t, 190	)7, Sec	tion 37	• • •	• • •	4	4
Public He		•			• • •	• • •	• • •	• • •	• • •	30	0
Milk and	Dairies	Order,	1926,	Article		• • •	• • •	• • •	• • •	1	1
"	"	"	"	"	26	• • •	• • •	• • •	• • •	1	According to
		See Se	ction	on Hou	sing	for Ho	ousing l	Notice	S.	282	190

Action taken in matters referred by H.M. Factory Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Acts, Sec. 5, 1901:—

Notified by H.M.	Inspector		• • •	• • •	• • •	• • •	• • •	• • •	 3
Reports (of action	taken) sent	to	H.M.	Inspector					 3

# (f) SANITARY CONDITIONS OF THEATRES, MUSIC HALLS, &c. Ministry of Health Circular No. 120.

Visits to Cinemas, Theatres, &c.	• • •	• • •	• • •	• • •	• • •	• • •	• • •	15
,, where defects were found		•••	• • •	• • •				9

#### (g) INFECTIOUS DISEASES.

When cases are removed to the Infectious Diseases Hospitals, the dwellings and all articles exposed to infection are disinfected as quickly as possible after the patients' removal. In cases of home isolation, disinfection is carried out immediately upon receipt of a post card from the Medical practitioner in attendance stating that the patient has recovered and that the room, &c., is ready for disinfection.

Post Cards for the above purpose, also a pamphlet of plain directions for preventing the spread of infectious diseases, are supplied, and intimation conveyed that a supply of disinfecting fluid can be obtained from the Public Health Department.

Premises inspected where notifiable diseases occurred	• • •	• • •	546
Cases removed to Isolation Hospital	• • •	• • •	395
Rooms disinfected after infectious, contagious or other diseases,	&c.	• • •	1097
Premises involved	• • •	• • •	703
Rooms stripped and cleansed after infectious disease	• • •	• • •	46
Premises involved	• • •	• • •	30
Rooms where walls and ceilings were rubbed down after infection	ous disc	ease	689
Premises involved	• • •	• • •	514
Rooms cleansed, &c., by arrangement	•••	• • •	362
Premises involved		• • •	181
Premises visited searching for fever	• • •	• • •	1030
Articles disinfected by Steam Disinfector at request of owner	• • •	• • •	98
,, destroyed by burning at request of owner	• • •	• • •	85
Number of visits paid to ascertain if cleansing notices had been con	nplied	with	601
Total visits to infected premises		•••	2880
E Company of the Comp			

#### LIBRARY BOOKS.

When investigating cases of infectious disease, inquiries are made to ascertain if any Library Books are on the premises and, if so, they are withdrawn and disinfected before being returned to the Public or School Libraries.

During the year 295 books were withdrawn from circulation and disinfected before being returned and none destroyed.

#### (h) DISINFESTATION OF VERMINOUS PREMISES.

During the year, 113 complaints of verminous premises were received.

In each case, disinfestation was carried out by the Corporation Disinfecting Officer using an effective Insecticide, or by the occupants themselves using sulphur candles supplied free of charge by the Department.

In serious cases of infestation, notices are served upon the Owners of the premises to remove all paper hangings, skirtings, architraves, mouldings, &c., prior to the disinfestation being carried out by the Local Authority.

Owing to the serious infestation of one flat in a block of four flats owned by the Corporation, disinfestation was carried out by means of Hydrogen Cyanide. From a financial point of view, the work was executed more cheaply than by any other available means, and owing to the dangerous character of the substance used, all responsibility is borne by the firm executing the work.

The following Table shews the number of premises and rooms dealt with during the year:—

	No. of Premises.	No. of Rooms.
Disinfestation carried out by Corporation Disinfecting Officer	61	141
Districting Officer		
Disinfestation carried out by Occupants	52	124
Disinfestation carried out with Hydrogen		
Cyanide	4	16
	117	281

#### DISINFECTANTS.

During the year 120 gallons of carbolic acid were mixed with 60 tons of flue dust from the Refuse Destructor and used for depositing in refuse receptacles after being emptied. 120 gallons of disinfecting fluid were also supplied to the public after infectious disease, &c.

# 12. Factories, Workshops and Workplaces.

1.—Inspection of Factories, Workshops and Workplaces.

	Number of			
Premises.	Inspections.	Written Notices.	Occupiers prosecuted.	
Factories (including Factory Laundries) Workshops (including Workshop Laundries) Workplaces (other than Outworkers' premises)	1086	61 55 151	0 0 0	
Total	<b>45</b> 46	267	0	

#### 2.-- Defects found in Factories, Workshops and Workplaces.

	Nu	Number of Defects.			
Particulars.	Found.	Remedied.	Referred to H.M. Inspector.	which Prosecutions were instituted.	
Nuisances under the Public Health Acts:—					
Want of cleanliness	120	120	• • •		
Want of ventilation	1	1	• • •	• • •	
Overcrowding	Nil	Nil	•••		
Want of drainage of floors	Nil	Nil	•••	•••	
	124	120	•••	•••	
3	6	4	• • •	•••	
,, unsuitable or defective	57	42	•••	•••	
,, not separate for sexes	2	1	• • •	•••	
Offences under the Factory and Workshop Acts:-					
T11 1	Nil	Nil	• • •		
Other Offences	18	12	• • •	***	
Total	328	300	•••	•••	

#### 3.—REGISTERED WORKSHOPS.

Workshops on Register at end of year, Factory and Workshop Act, 1901, Sec. 131.

During the year 16 New Workshops have been reported to the Department, there being at present on the Register 175 Workshops of which the following is a classified list:—

Bakers and Confectioners	• • •	51	Hat Shape Maker	1
Basket Maker	• • •	1	Haulage Contractor	1
Blacksmiths	• • •	4	TT - 1 TO - C	1
Blockmaker	• • •	1	Hurdle Maker	1
Boot Repairers	• • •	16	Lead Light Maker	1
Builders	• • •	7	Laundry	1
Builders' Merchant	• • •	1	Locksmith	1
Cabinet Makers	• • •	2	Milliners	5
Cardboard Box Makers	• • •	4	Motor Coach Builder	1
Carpenters and Joiners	• • •	4	Paint Mixer	1
Cement Block Maker	• • •	1	Picture Maker	1
Cleaners and Pressers		3	Rope Maker	1
Coach Maker	• • •	1	Scale Maker	1
Confectioner	• • •	1	Scale Repairers	2
Costumier	• • •	1	Sheet Metal Worker .	1
Cycle Repairer	• • •	1	Sweet Manufacturers	3
Dining Room	•••	1	Tailors	16
Dressmakers	•••	4	L L	7
Engineers	•••	13	Waterproof Garment Maker	
Engraver	• • •	1	Wheelwrights	2
Farrier	• • •	1	Wire Worker	1
Garage	• • •	1		
Glaziers	• • •	2		175
Hat Manufacturers	• • •	3		

13.—RAG FLOCK ACTS, &c. During the year 2 samples of Rag Flock were taken, and reported upon as shewn:—

Sample No. 1 contained 206 parts of soluble chlorine per 100,000 parts of flock. Sample No. 2 contained 384 parts of soluble chlorine per 100,000 parts of flock.

The owner of the Flock was duly notified of the contravention of the Rag Flock Act, and agreed to have the flock destroyed, which was later carried out at the Corporation Refuse Destructor.

14.—PROSECUTIONS FOR THE YEAR 1934, OTHER THAN UNDER THE FOOD AND DRUGS ACT.

No.	Prosecuted for.	Act.	Article	Case heard.	Result.
1	Slaughtering an animal without giving due notice	P.H. Meat Regulations 1924.	8	19.5.34	Case dismissed. Probation of Offenders Act. 4/- Costs.
2	Do.		>>	23	Case dismissed. Costs against Corporation.
3	Do.	1)	>>	,,	Case dismissed.
4	Do.	,,	>>	"	Case dismissed. Pro- bation of Offenders Act.
5	Failing to give notice of existence of disease in an animal.	,,,	9	24.10.34	4/- Costs.

15. Outworkers Returns.

	20		
	Contractors.	000	0
other	Workmen.	-2-	4
rom ies.	Number of lists.	-00	ın
Lists received from other Authorities.	Authorities from whom lists have been received.	Croydon Westminster St. Pancras	æ
	Contractors.	10000000	-
ther	Workmen.	88 50 50 50 70 80 70 70 70 70 70 70 70 70 70 70 70 70 70	243
d to cries.	Number of lists.	98 1 1 1 2 9 4 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	97
Lists forwarded to other Authorities.	Local Authorities to wbom lists of outworkers have been forwarded.	Luton Rural Ampthill Rural Dunstable Hemel Hempst'd St. Albans St. Albans Hitchin Rural Har'den U.D.C. Bedford Rural	6
Outwork in infected premises, Secs. 109 & 110.	Orders made Sec. 110. Prosecutions Secs. 109, 110.	Where cases have arisen work has been withheld by verbal arrangement.  No separate Records kept.	0 0
Outwor pr Secs.	Instances.	Where ariser been by arra	0
in un- premises 08.	Prosecutions.	0	0
	Notices served.	0	0
Outwork wholesome Sec.	Instances.	0	0
	rection of lists.  Failing to keep and permit inspection of lists.  Failing to send lists.	0	0
	Resiling to keep and permit inspection of lists.		0
N 107.	Notices served on occupiers as to keeping or sending lists.	181	181
SECTION	Sending twice in the year.  Outworkers.  Lists   Howarkers   Howar	801	801
Lists 9	Employers norities.  Inding twice the year.  Outworkers.  Sts		<b>H</b> •
	From Err Sendi Sendi Ou Ou Lists	184	184
OUTWORKERS	Lists received from and other Auth snding once in the year.  Outworkers.  Outworkers.  Sea Work- List of Month Chief Chi	51	51
Ourv	Lists received and other Sending once in the year.  Outworkers.  Lists   Section   Work   Content   Conten	0	0
	Lists Lists	16	16
	NATURE OF WORK.	Making, &c. (1) Wearing Apparel	Totals

The homes of all outworkers are visited by the Sanitary Inspectors, who deal with any nuisance or other irregularity.

# Section D. Housing.

# 16. Housing Statistics.

1.—Inspection of Dwelling-houses during the year:—	
(1) (a) Total number of dwelling-houses inspected for housing defects	1075
(under Public Health or Housing Acts)	1975
(b) Number of inspections made for the purpose	9437
(2) (a) Number of dwelling-houses (included under Sub-head (1) above) which were inspected and recorded under the	
Housing Consolidated Regulations, 1925	112
(b) Number of inspections made for the purpose	1387
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	107
(4) Number of dwelling-houses (exclusive of those referred to under	
the preceding sub-head) found not to be in all respects reasonably fit for human habitation	1715
2.—Remedy of defects during the year without Service of formal N	lotices.
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers	1519
3.—Action under Statutory Powers during the year :—	
A.—Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930:—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	5
(2) Number of dwelling-houses which were rendered fit after	
service of formal notices:—  (a) By Owners	0
(b) By Local Authority in default of owners	0
B.—Proceedings under Public Health Acts:—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	222
(2) Number of dwelling-houses in which defects were remedied	
after service of formal notices:—	1.00
(a) By owners $(b)$ By Local Authority in default of owners	160
C.—Proceedings under Sections 19 and 21 of the Housing Act, 1930:-	
(1) Number of dwelling-houses in respect of which Demolition	
Orders were made	†25
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	3
D.—Proceedings under Section 20 of the Housing Act, 1930:—	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	0
(2) Number of separate tenements or underground rooms in	
respect of which Closing Orders were determined, the	
tenement or room having been rendered fit	0
†Seven houses were closed but not demolished on an undertaking not let for human habitation.	to again



During the year, considerable progress has been made in connection with the treatment of Clearance Areas and Individual Unfit Houses, included in the Housing Programme of 1931, particulars of which were given in my Annual Report of last year.

#### CLEARANCE AREAS.

The following Clearance Areas were inspected and reported upon to the Health Committee at their meeting held on 20th July, 1934, when Clearance Orders were made:—

Area No.	Description	No. of Houses	No. of persons to be displaced
1 2 3	Ebenezer Street and Jones' Yard, Chapel Street Taylors Yard Briden's Passage	19 7 6	73 13 13

On November 13th, 1934, a Public Inquiry was held by the Minister of Health regarding these areas, and later the Clearance Orders were confirmed by him without modification.

Re-housing accommodation is being provided for the inhabitants of the Areas on the Brooms Road Housing Site, as follows:—

	Approx. weekly rental
8—three bedroomed houses	7/10d.
16—two bedroomed houses	7/1d.

It is expected that these houses will be ready for occupation in March, 1935.

Inspections have also been made of a number of the houses included in the following proposed Clearance Areas:—

Area No.	Description		Approximate number of persons to be displaced
4 5	New Town Street, Chase Street and Langley Place Chase Street	64 7	231 32

It is hoped that Clearance Orders will be made regarding these Areas at an early date, when application for confirmation of the Orders will be made to the Ministry of Health.

#### INDIVIDUAL UNFIT HOUSES.

During the year, the following Individual Unfit Houses were dealt with under Sections 19 and 21 of the Housing Act, 1930:—

Situation of Dwelling-houses	Date reported to Health Committee		Remarks
3, Burr's Passage	20/7/1934		House demolished 20/9/1934
5, ,, ,, 1, Cowridge End Farm	71	6	Owner signed undertaking not
2, ,, ,,	,,	5	to re-let for human habitation Owner signed undertaking not to re-let for human habitation
231, Dunstable Road West 229,	21/9/1934	3 5	House demolished 15/12/1934 Demolition Order made
8, Langley Road	,,	3	Demontion Order made
8 back Langley Road 10, Langley Road	,,	3 5 3 2 1 4	,, ,, ,,
12, ,, ,,	,,	4	,, ,,
16, ,, ,,	,,	4 5	11 11 11
18, ,, ,, ,, ,, ,, ,,	,,	4 5 3	Owner signed undertaking not
20A, ,, ,,	, ,	5	to re-let for human habitation Demolition Order made
22A, ,, ,, 22B, ,, ,,	,,	2	11 11 11 <sub>2</sub>
33, High Street, Leagrave	, ,	3	Owner signed undertaking not
35, ,, ,,	, ,		to use for human habitation Owner signed undertaking not to use for human habitation
30, St. Thomas's Road, Stopsley	23/11/1934	$\frac{2}{3}$	Demolition Order made
32, ,, ,, ,, ,, ,, 34, ,, ,,	, ,		,, ,, ,, ,, ,, ,,
36, ,, ,, ,, ,, Caravan, Gooseberry Bush Hill	, ,	2 5 4	Owner signed undertaking not
87, Albert Road	21/12/1934	3	to re-let for human habitation Owner signed undertaking not
Total number of persons		71	to re-let for human habitation

The following is a summary of the number of houses which have still to be dealt with by means of Clearance Areas in order to complete the Housing Programme of 1931:—

Area No.	Description	No. of Houses
6	Park Place, off Park Street	16
7	Wood Street Cottages, Wood Street	4
8	Chequer Street	6
9	Castle Street and South Road	29
10	Spring Place and New Street	19
11	New Town Street, Langley	16
	Road and Manor Path	including
		fried fish
		shop
12	Albert Terrace	6
		96

## Section E.

# 19. Inspection and Supervision of Food.

FOR REPORT ON BACTERIOLOGICAL EXAMINATIONS OF MILK SAMPLES CARRIED OUT BY THE PUBLIC ANALYST, SEE PAGES 44, 45 AND 46 Included in Special Report on Diphtheria).

Report on Samples of Certified Milk taken at the request of the Ministry of Health and examined by the Clinical Research Association Limited.

npes	4 ,	10						+		+	
four t	72 hours 2 3	101	1	1	-	1	1	+	1	+	1
c. in	72 1	101		1	1	-		+	1	+	1
per c.	-	1 c.c.			+			+		+	
Coli	4,	7   5		1	1	1		+	1	+	1
of B.	48 hours 2 3	10		1	1		1	+	1	+	
Presence of B. Coli per c.c. in four tubes	48 1	.:		1	1			+	1	+	1
Pre	<b>H</b>	1 c.c.						+		+	1
	r C.C.	1000	<b>—</b>	₩	7	4	6	63	7	180	Sterile
	eria peı	100	4	7	99	36	91	590	61	1740	22
	Number of Bacteria per C.C.	10	28	538	620	310	880	Over- crowded	570	Over- crowded	34
	Numbe		560	760	009'9	3,566	8,966	61,000	6,266	177,000	420
	Temp.	Arrival	18°C.	20°C.	23.5°C.	21°C.	20°C.	19°C.	18°C.	22.5°C.	19°C.
	ed to tory	Time	p.m. 3.30	1.0	1.0	1.15	1.45	1.43	1.15	3.55	1.30
	Delivered to Laboratory	Date	9.5.34	27.6.34	11.7.34	25.7.34	9.8.34	15.8.34	25.9.34	28.9.34	25.10.34 1.30
	Amount	Sample	Pint	Pint	Pint	Pint	Pint	Pint	Pint	Pint	Pint
	aken	Time	a.m.	10.45	10.45	10.50	9.40	9.10	9.5	9.0	0.6
	Sample taken	Date	9.5.34		11.7.34	25.7.34	9.8.34	15.8.34	25.9.34	28.9.34	25.10.34
	tion	Time	a.m.		a.m.		a.m.		a.m.	a.m.	a.m.
	Production	Date	9.5.34	27.6.34	11.7.34	25.7.34	9.8.34	15.8.34	25.9.34	28.9.34	25.10.34 a.m.
	Sample	1	8	40	42	49	50	52	800	09	89

(b) MILK SUPPLY: MILK AND DAIRIES ACTS AND ORDERS, &c.

			On Regi	ister Dec. 31
Registered:—			1933	1934
Cowkeepers	• • •	• • •	25	<b>2</b> 3
Wholesalers			19	19
Registered Purveyors for Sa	le of :-			
Certified Milk	• • •	• • •	2	4
Grade "A" T.T. Milk	• • •	• • •	2	4
Grade ''A'' Milk	• • •		1	2
Pasteurised Milk	• • •		1	1
Ungraded Loose Milk	• • •	• • •	118	121
Prepacked Milk only		• • •	195	<b>19</b> 9
		Αp	plications	for Registration
			le during	
			1934	1934
Certified Milk	• • •	• • •	2	<b>2</b>
Grade "A" T.T. Milk		• • •	<b>2</b>	<b>2</b>
Grade "A" Milk			<b>2</b>	2
Pasteurised Milk	• • •			
Ungraded Loose Milk	• • •		15	15
Prepacked Milk only			35	35
J			**********	
			56	56
				_
			1933	1934
Number of Milk Vendo	o <b>rs</b> resi	dent		
in Borough	• • •	• • •	284	311
Registered Purveyors of:—		۸ سد: ۵	nial Cusa	m Frank Cusam

Artificial Cream Fresh Cream

(c) INSPECTION OF MEAT AND OTHER FOODS. Action taken with regard to meat and other foods, including inspection of meat, slaughterhouses, shops, stalls and vehicles, and places where food is prepared.

Owing to the large number and widespread situation of the Private Slaughterhouses in the Borough, and the irregular times of slaughter, the present system of meat inspection leaves much to be desired. Difficulty is also experienced in the inspection of animals at the time of slaughter, due to the insufficiency of the accommodation provided at these premises.

It would appear that the time has now arrived when the provision of a Municipal Abattoir in Luton is essential in order to carry out the inspection of meat effectively. By this means the whole of the slaughtering would be centralised, which would provide better facilities for the supervision of the methods of slaughter and the effectual inspection of dead meat.

In the Borough are 25 slaughterhouses (22 licensed and 3 registered), the whole of which were visited during the year as follows:—

	011 11010 110100 00011	0 -				
1	Slaughterhouse visited	2 1	times	=	2	visits
3	,,	48	,,		144	,,
1	, ,	49	,,		49	,,
1	,,	51	, ,		51	, ,
1	2 2	52	11		52	,,
1	9 9	53	1 1		53	,,
1	2.2	54	,,		54	,,
2	, , , , , , , , , , , , , , , , , , , ,	55	,,		110	2.2
1	* *	58	,,		58	"
1	<b>9</b> 9	61	, ,		61	,,
2	, ,	62	11		124	,,
1	<b>)</b> )	66	, ,		66	11
4	<b>9</b> 9	69	,,		276	,,
1	y •	71	,,		71	,,
1	2 2	91	,,		91	,,
1	9 9	92	11		92	,,
1	2.2	119	,,		119	,,
1	9.9	230	,,		230	,,
25					1703	
=						

The amount of unsound food condemned and destroyed during the year comprised:—

No of					V	Veight in
Parcels.		Article	es.			lbs.
274	Beef	• • •	• • •	• • •	• • •	22,970
78	Pork		• • •	• • •		$3,744\frac{1}{2}$
<b>26</b>	Mutton	• • •	• • •		• • •	307
5	Tinned 1	Meats	• • •	• • •	• • •	134
3	Fish	• • •	• • •	• • •	• • •	189
<b>2</b>	Fruit	• • •	• • •	• • •		366
1	Turkey	• • •	• • •	• • •	• • •	8
1	Rabbit	• • •	• • •	•••	• • •	$1\frac{1}{2}$
						27,720

Total weight ... 12 tons 7 cwts. 2 qrs. 0lb.

During the year the entire carcases and organs of 20 cows, 1 bull, 3 bullocks, 1 calf, and 12 pigs were destroyed, as follows:—

Animal.		Cause for Total Dest	ruction.	Weight	, lbs.
Cow		Generalised Tubercu	losi <b>s</b>	608	
Cow		",	•••	720	
Cow		,,	• • •	784	
Cow	• • •	,,	• • •	740	
Cow		",		800	
Cow		,,	• • •	806	
Cow		"	• • •	840	
Cow		"		624	
Cow	• • •	"		784	
Cow	• • •	"		408	
Cow	• • •	"	• • •	960	
Cow	• • •	"		552	
Cow			• • •	512	
Cow	• • •	Fever and Emaciatio	n	400	
Cow		, ,,	• • •	360	
Cow	• • •		••	560	
Cow	• • •	Tuberculosis and Em	aciation	400	
Cow	• • •	"	• • •	430	
Cow	• • •		••	540	
Cow	• • •	Cancer		430	
Bull	• • •	Generalised Tubercu	losis	760	
Bullock	• • •	"	• • •	720	
Bullock	• • •	23	•••	600	
Bullock	•••	Fever and Tuberculo	sis	400	
Calf	• • •	Foetal	••	40	
				1	4,778
Pig	• • •	Generalised Tubercu	losi <b>s</b>	560	
Pig	• • •	"	• • •	128	
Pig	•••	"	• • •	500	
Pig	• • •	"	• • •	113	
Pig	• • •	"	• • •	72	
Pig		Fevered	• • • • •	400	
Pig			• • • • • • • • • • • • • • • • • • • •	120	
Pig	• • •	Fevered and Bruisin	g	104	
Pig	• • •	* * * * * * * * * * * * * * * * * * * *	••	96	
Pig	• • •		••	60	
Pig	• • •		••	96	
Pig		Swine Erysipelas .	••	88	
					2,337

#### SLAUGHTER OF ANIMALS ACT, 1933.

During the year 70 persons made application and were duly licensed to slaughter or stun animals in compliance with the terms of the above Act.

One licence was cancelled owing to the death of the holder.

A number of contraventions of the above Act were found during the year in regard to methods of slaughter, and in each case the offender was duly warned.

Report of Medical Officer of Health under the Sale of Food and Drugs (Adulteration) &c. Acts, for the Year 1934.

- (1) Analyst's Reports
- Submitted under separate cover by the Town Clerk.
- (2) Action taken by Local Authority.
- See page No. 36.
- (3) Action taken in regard to offences other than adulteration and under Acts other than Food and Drugs Acts.

During the year, 24 samples of Apples and 10 samples of Tomatoes were purchased under the Merchandise Marks Acts, 1926, and (Imported Goods) No. 3 and 4 Orders. As all the samples were sold in contravention of the Act and Orders the Vendors were warned in each case.

On the 2nd January, 1935, six Vendors were prosecuted under the Merchandise Marks Acts, 1926, and (Imported Goods) No. 5 Order, 1934, for having exposed for sale imported dead poultry (Turkeys) from which had been removed the seal or disc indicating the country of origin. Three cases were dismissed and in each of the other three cases the Vendor was fined 30/-.

Having regard to the evidence submitted in the above cases with regard to the interpretation of the word 'SALE' it would appear desirable that the seal or disc of origin should remain on the article until it is received by the purchaser.

(4) "Appeal to Cow samples"

Nil Report.

(5) Preservatives.

See page No. 37.

(6) Informal or Test Samples.

Informal samples were taken when it was considered desirable for the Analyst to have the containers in which the articles were Marketed, or where test samples were desired. All samples procured, whether formal or informal, were submitted to the Public Analyst for examination, and having regard to his reports it has not been considered necessary to take any action other than as reported on page No. 36.

(7) Samples sent to Analyst by private Purchasers.

Nil Report.

(8) Samples sent to County Analyst by Sanitary Authorities.

Nil Report.

(9) Annual or Special Reports

During the year, 82 samples of Milk, including 14 Certified, 4 Grade 'A' T.T., 3 Pasteurised and 5 Sterilized were submitted for bacteriological Examination, with results as shown on pages Nos. 44, 45 and 46.

Sample No. 2633. On the 23rd January, 1934, an informal sample of Pepper was found to contain 0'014% of SO. 2, being equal to 140 parts per million of Sulphur Dioxide. As a result of the foregoing a formal sample of pepper was purchased from the same source on the 6th February, 1934, concerning which the Analyst reported the sample to contain 0'011% of SO. 2 being equal to 110 parts per million of Sulphur Dioxide.

A summons was taken out against the Vendors, and upon the Local Authority being notified of the existence of continuing warranties, it was decided to withdraw the Summons upon payment of  $\pounds 2:0:0$  costs, without the case being heard. During enquiries it was learned that continuing warranties had been given at Luton, Liverpool and London.

Sample No. 2677. On the 8th March, 1934, an informal sample of Strawberry Jam was reported to contain 100 parts per million of SO.2, in consequence of which a formal sample No. 2724 was procured and reported to contain 55 parts per million of SO.2. At the request of the manufacturers their Chief Chemist was put in touch with the Public Analyst when the whole matter was discussed; since then further samples have been examined and proved to be satisfactory.

Sample No. 2778. On the 20th June, 1934, a sample of Milk taken in course of delivery was reported to be deficient in Fat 23'3%. Upon prosecution of the Vendor on the 28th July, 1934, it was pleaded that the animals had been milked by machinery and the case was dismissed, the Bench ruling that the milk was as given by the Cow.

Sample No, 2893. On the 25th October, 1934, an informal sample of Salicylic Acid

Ointment was reported to contain 7.0% of Salicylic Acid being 5% in excess of the B.P. standard. Upon a formal sample being taken on the 20th November 1934, the article proved genuine.

Samples Nod. 2929, 2930 and 2931. On the 27th November, 1934, one formal sample of cream buns, one informal sample of cream buns, and one informal sample of artificial cream buns were purchased from a large General Stores, and upon the Analyst reporting each sample to contain 100% of cream not derived from milk, the matter was taken up with the Vendors, when it was satisfactorily demonstrated that the buns had been labelled in error by an irresponsible person.

- (10) Composition of Milk See page No. 37. Samples.
- (11) Remuneration of Analyst. 13/- per sample.

#### SALE OF FOOD AND DRUGS ACTS.

During the year 351 samples were taken, 93 being formal and 258 informal samples. All samples were submitted to and reported on by the Public Analyst. Of this number 26 were found not to be genuine, as shown on page No. 36.

	Deta	ails of Samples taken		Deta	ails of Samples taken
Formal	Infor- mal	Nature of sample	Formal	Infor- mal	Nature of Sample
1	1 4	Almonds (Ground) ,, (Essence of) Apricots (Dried)		3 1 1 3	Milk (Pasteurised) ,, (Dried Full Cream) ,, (Dried Half Cream)
	1 5	Allenburys Food (Dried Milk) Almata Milk Food ,, ,, Butter		2	,, (Condensed, Full Cream) (Sweetened) ,, (Condensed, Full Cream
	1 1 1	Brisling (in Tomato Sauce) ,, (British) Black Currants		1	Unsweetened) ,, (Condensed Skimmed Unsweetened)
	1 1 1	Black Cherries (English) ,, ,, (Dutch) Blue Plums (Italian)		<b>2</b> 1	,, (Condensed Skimmed Sweetened) ,, (Condensed Sterilized Full
	1 1 3	Boric Ointment Baking Powder Coffee		1	Cream Unsweetened) Oatmeal (Fine) ,, (Medium)
1	2 1 1	Cheese Creme of Salmon and Shrimp Cow and Gate Milk Food		1 1 1	orange Squash (Schweppes) (Ordinary)
	1 1	(Dried Milk) Collodian Camphorated Oil		2	Ostermilk (Nos. 1 and 2) (Dried Milk) Pearl Barley
1	$\begin{array}{c c} 1 \\ 2 \\ 1 \\ 2 \end{array}$	Currants (Dried) Cream (Pure Devon) Cream Buns	1	5 1 1	Pepper Peppermint Essence Peaches (Canned)
1	1 1 1	Cocktails (Martini) ,, (Manhattan)		1 1 2	Polony Pineapple Marmalade Peel (Citron)
	1 1 1	,, ("My Lily") ,, (Cream of Mint) ,, (Cherry)		2 2 1	,, (Lemon) ,, (Orange)
	2 1 1	,, (Bronx) Chocolate Eggs (Easter) Dry Ginger Ale (Schweppes)	3	1 2	Port (Old Douro) Rum Rice Respherent Red (Dece)
1	1	Dover's Powder Flour Faggots		1 1 1	Raspberry Red (Dye) Red Currants Red Cherries (Dutch)
3 1	1	Gin Ginger (Ground) ,, (Essence)		1 1 1	Raisins ,, (English) ,, (Spanish)
	1	Grape Fruit Squash (Burgess's)	9	1 1 5	Salmon and Shrimp Paste Chicken and Ham Paste Spice
	1 1 2	Gingerbeer (Burgess's) Gooseberries Glaxo (Dried Milk)	3	1	Sausage (Beef) Steak and Kidney Pie Sardines (Portuguese)
	1 1 1	Gregory's Powder Glycerine and Borax Herrings (in Tomato Sauce)		1 1 2	Salmon (Red Canadian) ,, (Red Alaskan) ,, (Japanese Pink)
	1 1 1	Horse Radish Cream Indian Quinine Tonic Jam (Red Plum)	2	2 5 2 1	Sausage (Luncheon) ,, (Pork) Salicylic Acid Ointment
1	2 1 1	,, (Strawberry) ,, (Apricot) ,, (Raspberry)		1 2 1	Sulphur Ointment Spike Lavender, Oil of Sultanas
1	1	,, (Greengage) ,, (Black Currant with fruit juices)		1 1 1	Sherry Tea Turkey and Tongue Paste
	1 1 3 1	Lemon (Essence of) ,, (Yellow) Lard Lemon Squash (Summit)		1 1	Trufood (Humanised) (Dried Milk) Vanilla (Essence of)
	1 1	Lemon Squash (Summit) ,, (Schweppes) ,, (Natural) Lima Luica (Schwappes)	3	1 1 2	Whisky (Irish) Wine (Elderberry)
1	1 1 4	Lime Juice (Schweppes) ,, ,, (Natural) Margarine Minagement		1 1 1	,, (Ginger) ,, (Raisin) ,, (Cowslip) (White South African)
67	68	Mincemeat Marmite Milk (Crade "A" T.T.)		1 1	" (White South African) " (Red Australian) Zinc Ointment
	6 5 14	,, (Grade "A" T.T.) ,, (Sterilized) ,, (Certified)	93	51	

Details of 26 samples reported by the Analyst as not being genuine, and action taken in regard thereto.

Sample No.	Formal.	Informal	Article.	Adulteration or other irregularity	Action taken.
2614	1		Whisky (Irish)	35.89 degrees under proof	Vendor warned.
2615	1		Gin	35.89 degrees under proof	Vendor warned.
2633		1	Pepper	Contained 0.014% SO.2, equal to 140 parts per million.	See page X. 33
2647	1		Pepper	Contained 0.011% SO.2, equal to 110 parts per million.	See page 1. 33
2677		1	Strawberry Jam	Contained 100 parts per million SO. 2.	See page 1.33
2717	1		Milk	5.8% added water	Prosecuted 19.5.34. Cases
2718	1		Milk	7.7% added water	Prosecuted 19.5.34. Cases dismissed.
2724	1		Strawberry Jam	Contained 55 parts per million SO. 2.	See page X. 33
2728/22		1	Milk	3.3% added water	Vendor warned.
<b>27</b> 31	1		Milk	4.0% fat abstraction	Vendor warned.
2749	1		Milk	3.3% deficient in fat	Vendor warned.
2751/25		1	Milk	4.0% deficient in fat	Vendor warned.
2778	1		Milk	23.3% deficient in fat	Con name # 33
2780/33		1	Milk	24.0% deficient in fat	See page 1.33
2783/36		1	Milk	14.0% deficient in fat	Vendor warned.
2784/37		1	Milk	16.0% deficient in fat	Vendor warned.
2786/39		1	Milk	4.6% deficient in fat	Vendor warned.
2801	1		Milk	8.0% deficient in fat	Vendor warned.
2806		1	Marmite	Contained 0.014% of copper equal to 98 grains per lb.	Vendor warned.
2828		1	Sausage (Beef)	Contained sulphite preservative equal to '011% of sulphur dioxide or 110 parts per million.	Vendor warned.
2836		1	Sausage (Beef)	Contained sulphite preservative equal to '019% of sulphur dioxide or 192 parts per million.	Vendor warned.
2886/67		1	Milk	11.6% deficient in fat	Vendor warned.
<b>2</b> 893		1	Salicylic Acid Ointment	5% excess of Salicylic Acid	See page 1. 33
2929)	1		Cream Buns		
2930		1	Cream Buns	100% of cream not derived from milk.	See page X.34
2931)		1	Artificial Cream Buns		~
			CICALI DUIIS		

### (e) MILK AND CREAM.

	Number of Samples examined for the presence of Preservative.	Number in which Preservatives were reported to be present, and percentages of Preservatives found in each Sample.
Milk	179	Nil Report.
Cream	4	Nil Report.

## ARTIFICIAL CREAM ACT, 1929.

During the year, 4 inspections were made of two premises registered for the manufacture and sale of Artificial Cream, which were found to be satisfactory.

### (f) MARGARINE MANUFACTORIES.

Number of Manufactories of Margarine or Margarine-Cheese, and of premises wherein the business of a Wholesale Dealer in Margarine or Margarine-Cheese is carried on:—

On Register December, 1933 ... 14
Added to Register during 1934 ... 
14

(g) CHEMICAL ANALYSIS IN TABULAR FORM OF ALL MILK EXAMINED BY THE PUBLIC ANALYST.

Sale of Milk Regulations, 1901.

FAT.

	rai,									Sta	andard	3.0 p.c		01.	
Numbe	r of Sampl	les 1	1	1	1	1	1	1	1	2	1	3	3	12	1
Percent	tag <b>e</b> Conte	nts 1'	76 2 <sup>·</sup> 2	28 2.3	2.52	2.58	2.65	2.76	2.86	2.88	2.9	3.0	3.02	3.1	<b>3</b> .18
Numbe	r of Samp	les	18	23 8	14	13	15	1 11	1	6	4	4 4	1	2	
Percent	age Conte	ents	3.2	3.3 3.	4 3.5	3.6 3	3.4 3.	77 3	8 3.82	3.9	4.0 4	1.1 4.	2 4.3	4.4	
Numbe	r of Sam	ples	1	1	2	1	3								
Percent	age Conte	nts	4.5	4.7	4.8	4.8	not a	given							
SOLIDS 1	NOT FAT									Sale o	f Milk Stand	Regulated S.5	ations,	1901	
Number of	Samples	1	1	1	1	1	1	3	3	1	1	2	1	3	
Percentage	Contents	7.84	8.0 8	8.55	8.24	8.47	8.20	8.	52 8	56	8·58	8.62	8.63	8	64
Number of	Samples	5	1	2	2	3	1	1	4	2	2	4	2		
Percentage	Contents	8.68	8.70	8.72	8.73	8.74	8.76	8.77	8.78	8.79	8.80	8.82	8.83		
Number of	Samples	2	1	6	2	4	17	5	1	1	1	7			
Percentage	Contents	8.84	8.86	8.88	8.89	8.90	8.92	8.93	8.94	8.95	8.96	8.98			
Number of	Samples	4	4	5	6	1	3	2	5	5	2	3	6	1	
Percentage	Contents	9.0	9.02	9.03	9.04	9.07	9.08	9.10	9.12	9.13	9.14	9.17	9.18	9.5	0
Number of	Samples	1	5	1	4	1	1	1	1	1	1	1	3	1	1
Percentage	Contents	9.21 9	22 9	0.23 9.	24 9	26 9	.28 9.	31 9	32 9	34 9	35 9	37 9	·38 9		not

# Section F.

### 20. NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS).

The subjoined Table gives the details of the notifications received and dealt with during the year:—

Disease			Total Cas <b>es</b> Notified	Cases Admit- ted to Hospital	Total Deaths
Diphtheria		• • • • •	415	334	32
Coordet France		••	114	69	
Erysipelas		• • • • • • • • • • • • • • • • • • • •	46		
Pneumonia		••	32		50
Puerperal Fever		• • • • •	12)	8	1
,, Pyrexia .		••	6∫	0	4
Ophthalmia Neonatorum	ı.		5		
Acute Anterior Poliomye	elitis .		1		

Analysis of age groups of the notified infectious diseases follows:-

		AGE GROUPS.											
Disease.	Under 1	1	2	3	4	5	10	15	20	35	45	65	Totals
Diphtheria Scarlet Fever	1	10 2	12 4	25 9	28 7	202 53	69 15	18	36 15	8 3	6 2		415 114
Erysipelas Pneumonia	3					1 4	1		6 8	8 5	12	15 2	46 32
Puerperal Fever Puerperal Pyrexia	•••	•••		•••					12	2			12 6
Ophth. Neonatorum Acute Anterior		• • •	•••	•••	•••		•••		•••		•••	•••	5
Poliomyelitis	•••	•••	• • •	•••	• • •	1		•••	•••		• • •	•••	1
Totals	11	13	17	34	35	261	85	23	80	26	29	17	631

#### 21. OPHTHALMIA NEONATORUM.

	Cases		Vision	Vision	Total	
Notified	Tre	ated	unim- paired	Im- paired	Blind- ness	Deaths
	Home Hospital					
5	3	2	5			
		J				

- 22. In the next Table details are given of the six under-noted diseases for the year 1934.
  - (a) Cases admitted to Hospital.
  - (b) Discharged from Hospital.
  - (c) Deaths in Hospital.

	Sn	nall I	Pox	Diphtheria			Scarlet Fever			TyphoidFever			Erysipelas		
	M	F	Tot.	M	F	Tot.	M	F	Tot.	M	F	Tot.	M	F	Tot.
(a) Admis'ns (b) Disch'ges		• • •		155 144	1	334 308	33 32	36 32	69 64	• • •	• • •				
(c) Deaths (in Hospital)	•••			10	11	21		•••							/

		rpera ondit			Tota	ls
	M	F	Tot	M	F	Tot.
(a) Admis'ns (b) Disch'ges (c) Deaths		<b>8</b> 7	8 7	18 <b>8</b> 176		411 379
(in Hospital)		1	1	11	11	22

Remaining in Hospital, 31st Dec	ember, 1934—Diphtheria Scarlet Fever		
	Total		43
	IOtal	• • •	10

REPORT ON THE PREVALENCE OF DIPHTHERIA IN THE BOROUGH FROM 2ND SEPTEMBER, 1933 TO 26TH JANUARY, 1935.

Diphtheria has been unusually prevalent in Luton since the beginning of 1934. In 1932 and 1933 the incidence was small, but in November 1933 there was a sudden increase in the number of cases notified, and this increase has persisted until the present. During 1934, the weekly returns show two peaks, the first in March, and the second in November, the lowest point in the curve being in the week ending 19th May, when only one case was notified.

The disease attacked certain districts of the Town, and as it died out in one area it appeared in another. Thus, in May we had Limbury involved, then it spread to High Town and Stopsley, and of late most of the cases have occurred in the latter area, which has only recently been added to the Borough and where the majority of houses are, as yet, unsewered.

#### Type of Disease.

The type of the disease has varied. Most of the cases have been of a mild nature requiring bacteriological examination for a diagnosis, and there has been a large preponderance of nasal infections. Delay in sending for medical help was responsible for most of the fatal results. Of the twenty-eight deaths in the hospital, nine occurred within 24 hours of admission, and in two instances, where removal was asked for, the children were found to be moribund.

On the receipt of the notification of a case, a visit is paid by one of the Inspectors, who completes an enquiry card in full detail and then reports the result of his visit to the Medical Officer of Health. The Medical Officer then decides how the case is to be disposed of—hospital or home. Of the 551 cases notified, 433 or 78'6% were removed to hospital.

The chart inserted at the end of the Report, shows the following data:—

- (a) Age and Sex of cases notified.
- (b) Weekly number of cases notified.
- (c) Weekly number of removals to hospital.
- (d) Deaths in hospital and at home.
- (e) Weekly rainfall and sunshine.

Extensive enquiries have been made into each case, and as a result it is abundantly clear that personal infection has been responsible for the spread.

The incidence of the disease amongst the scholars in the schools is tabulated on pages numbered 47 to 50, and it does not show any special incidence in any one school.

#### LIBRARY BOOKS.

Library books have been carefully traced, collected, and disinfected, and it may be definitely stated that these did not in any instance carry the disease.

#### MILK SUPPLIES.

An extensive enquiry has been made into the milk supplies of the whole of the involved households, and the results have been tabulated in the attached tables (pages numbered 44 to 46). From a perusal of them it will be readily seen that milk has played no part in the spread of the disease.

#### MULTIPLE CASES.

The attached table (page 41) gives the details of the multiple cases. Considering the number of cases dealt with, the number of multiple cases appears to be very small. On page 41 the premises where the 17 cases occurred was the local Children's Hospital.

#### ABNORMAL CASES.

One case of diphtheria of the eye was brought to light by the development of the characteristic paralytic symptoms following what appeared to have been an ordinary conjunctivitis. In three cases, ear discharge was found to contain the active diphtheria bacillus. In several of the hospital cases the organism has persisted for many weeks before disappearing.

Anti-diphtheritic Serum is provided free of cost to all Medical Practitioners and they are advised to give the serum even to doubtful cases, and not to wait for the result of the swab.

#### SWABS.

These are supplied to all Medical Practitioners and immediately upon receipt at the Public Health Office are despatched to the Clinical Research Laboratories, the result being notified by telephone in from 24 to 36 hours. These results are immediately telephoned to the doctor concerned and a confirmatory note despatched.

It is somewhat remarkable that 50% of the cases were not notified until the result of the swab was reported, and the practice of waiting for the result is bound to minimise the efficiency of hospital isolation. In the table on page 41, attached, an analysis of all the swabs examined for the department for the period under review will be found.

### CONCLUSIONS.

It is abundantly illustrated that the spread of the disease in the Town has been due to the following factors all working together:—

- (a) The mild unrecognised, often nasal cases.
- (b) Failure to call in medical help early enough.
- (c) An attempt on the part of some parents to hide the condition.
- (d) The time wasted in waiting for swab results.

A scheme for immunisation of all children under 8 years of age is in process of preparation, and it is hoped that a commencement will be made at an early date.

## From 2nd September, 1933, to 26th January, 1935.

### Swab Results.

			]	RESULTS.	
1933 Swabs submitted from			Positive.	Negative.	Total.
Spittlesea Hospital	•••		23	55	78
Doctors, &c	•••	•••	62	178	<b>24</b> 0
			85	233	318
1934 Swabs submitted from					
Spittlesea Hospital	• • •	• • •	555	617	1172
Doctors, &c	• • •	• • •	420	1168	1588
			975	1785	2760
1935 Swabs submitted from					
Spittlesea Hospital	• • •	• • •	89	75	164
Doctors, &c	•••	• • •	64	105	169
			153	180	333
	SUM	MAR	Υ.		
	0 0 1,1			NT	775 . i 1
C 1 1 1 1 1000			Positive.	Negative.	Total.
Swabs submitted in 1933	• • •	• • •	85	233	318
,, ,, 1934	• • •	• • •	975	1785	<b>27</b> 60
,, ,, ,, 1935	• • •	• • •	153	180	333
			1213	2198	3411

### Number of Premises where Cases have occurred.

Nıı	mher	of n	remise	s whe	re 1 (	rase oc	curred	•••	Nui 369	mber of 369	cases.
Ivu		-	"	,,		case oc	,,	•••	38	76	
	"	"	"	"	$\bar{3}$	"	"	•••	15	45	
	"	"	"	,,	4	"	"	•••	7	28	
	,,	.);	"	"	5	,,	"	•••	2	10	
	"	"	"	"	6	11	11	• • •	1	6	
	"	"	"	"	17	11	11	***	1	17	
Num	ber o	of pre	mises	where	case	es have	occurre	ed	433	551 ca	ses.
Number	r of p	remis	ses fro	m whi	ch L	ibrary	Books v	vere co	ollected	•••	<b>13</b> 9.

### SPITTLESEA HOSPITAL.

### Particulars of Deaths arising from Diphtheria.

Case N	lo.	Date of Admission.	Date of Death.	Period in Hospital.
			1933.	•
1	. • •	4.10.1933.	5.10.1933.	$13\frac{1}{2}$ hours.
2	• • •	8.11.1933.	9.11.1933.	11 hours.
3		28.11.1933.	5.1 <b>2</b> .1933.	7 days.
4	•••	6.12.1933.	7.12.1933.	12 hours.
5	• • •	9.12.1933.	9.12.1933.	$6\frac{1}{2}$ hours.
6	• • •	28.12.1933.	1.1.1934.	4 days.
			1934.	
7	• • •	23.1.1934.	26.1.1934.	3 days.
8	•••	21.2.1934.	2.3.1934.	9 days.
9	•••	7.3.1934.	7.3.1934.	2 hours.
10	• •	3.4.1934.	3.4.1934.	$1\frac{1}{4}$ hours.
11	• • •	18.4.1934.	24.4.1934.	6 days.

12	• • •	23.4.1934.	28.4.1934.	5 days.
13	• • •	26.4.1934.	14.6.1934.	7 weeks.
14	•••	23.5.1934.	24.5.1934.	24 hours.
15		4.7.1934.	<b>12</b> .7.1934.	8 days.
16		9.7.1934.	19.7.1934.	10 days.
17	• • •	10.7.1934.	19.7.1934.	9 days.
18	• • •	16.7.1934.	24.7.1934.	8 days.
19	• • •	11.8.1934.	13.8.1934.	3 days.
20	• • •	12.8.1934.	12.8.1934.	10 hours.
21	• • •	25.8.1934.	26.8.1934.	6 hours.
22	• • •	21.10.1934.	25.10.1934.	4 days.
23	• • •	13.11.1934.	24.11.1934.	11 days.
24	• • •	13.11.1934.	18.11.1934.	5 days.
25	• • •	17.11.1934.	2.12.1934.	15 days.
26	• • •	20.11.1934.	25.12.1934.	5 days.
			1935.	-
27	•••	1.1.1935.	5.1.1935.	5 days.
28	• • •	17.1.1935.	19.1.1935.	2 days.
40	• • •	17.1,1000,	10.1.1000.	2 44,5.

# Ward Distribution.

		}			I		1			1
Month.	Cen- tral.	Dall'w	High Town	Lea- grave	Lim- bury	South.	St. Mary's	Stops- ley.	War- down.	Total.
1933 September October	 3	1 2	1 6			<u> </u>		1	<u> </u>	3 17
November	9		9		1	2		6	5	32
December 1934	8	3	10		6	1	3	1	5	31
January	5	5	2	1	2	4	8		2	29
February	5	1	3	4	2	5		1	4	25
March	1	3	1	2	4	19	_		8	38
April	8	_	3	2	6	2	1	_	2	24
May	1	3		1	4	1	1	1	4	16
June	4	3	1	2	2	3	7	1	7	30
July	6	6	2	1	14	2	13	_	8	52
August	1	6	3	1	8		6	_	3	28
September	2	2	5	4	5	2	11	1	5	37
October	2	8	9	_	8		8	1	1	37
November	3	2	9	1	3	1	21	13	5	58
December 1935	1	2	11	_	6		4	14	2	40
January	3	1	8	2	4	10	16	5	5	54
Totals	62	48	83	21	69	57	99	45	67	551
							,			,

# Particulars of Milk Supplies.

Number	of cases	using	Tinned	Milk	only		•••		• •	• • •	27	
, ,	,,	,,	,,	,,	,,	and	one	Dairy	man	• • •	12	
,,	,,	,,	,,	,,	, ,	and	two	Dairy	ymen	• • •	3-	40
											_	42
Number	of cases	າງເກິດ	Sterilis	ed Mi	lk on	1,7	• • •				35	
Number	or cases	using	Otomis	JU 1111.							15	
11	,,	9.9	11	* *						yman	10	
,,	, ,	, ,	,,	٠,	,,	and	two	other	Dair	ymen	3-	
												53
											-	
Number	of cases l	naving	one Da	iryma	n onl	y (ex	clud	ing T	inned	Milk)	363	
,,	, ,	,,	two Da	iryme	n ,,		,,		) )	,,	220	
,,	,,	,,	three	,,	,,		,,		, ,	, ,	54	
11		,,	four	,,,	,,		,,		,	11	4-	
												641
											_	

Number of cases where source of milk supply is unknown	17
	17
Number of Dairymen involved, excluding Tinned Milk and	
counting Sterilised Milk as one Dairyman (including 10 schools).	90

1 1 1 1 1 1 2 1 2 2	Dairyman  ''  ''  Dairymen  Dairyman  Dairymen	each susplie	ıppli d	• • •	•••	cases.  138 53 28 25 19 17 16 15 14 12 11	•••	Number of cases. 138 53 28 25 19 17 16 30 14 24 22
2 2 3	,,	,,	,,	•••	• • •	10 9 8	•••	20 18 24
3 1 4	Dairyman Dairymen	supplie	d	 	• • •	7 6 5	•••	21 6 20
16 11	Dan ymen	"	n n	•••	•••	4 3	•••	64 33
15 19	"	"	"	•••	• • •	2 1	•••	30 19
90	Dairyn	nen sup	plie	d	• • •	• • •	•••	641

#### SUMMARY.

363	cases	received	milk	from	363	Dairymen
110	,,	3 9	11	,,	220	, ,
18		, .	,,	,,	54	1 1
_	case		,,,	11	4	,,
		received '				,,
17	cases	received	l mill	fron	1	
	u	nknown s	source	s	17	
551	cases	involved	• •	•	700	

Number of cases where it was learned that children partook of milk at school from one source of supply, and the home supply was received from other Dairymen.

		1	Number
School.		O	f Cases.
Buxton Road	• • •	• • •	2
Surrey Street			4
Chapel Street		• • •	2
Maidenhall Roa	ıd		2
St. Mary's	• • •	• • •	3
Biscot Infants'	• • •		3
Queen's Square	• • •	• • •	1
Stopsley	• • •		2
Denbigh Road	• • •		1
Tennyson Road	• • •		2
			22

Details of bacteriological examinations of milk samples will be found in the Table which follows:—

	Organisms per	Bacillus Coli per C.C.	Acid		Non			Standard.
Sample No.	C.C. growing on Agar in 48 hrs. at 37 deg. C.	1 1 1	Fast Org- anisms	Fat	Fatty Solids	Dirt	Pus Cells	+
		CERTIFIE	D MI	LK				
2666/10	18,600		Nil	3.7	9.02	Nil		+
2667/11	1,400		Nil	3.8	9.42	Nil		+ ,
2753/27	2,750		Nil	3.4	9.02	Nil		+
2754/28	800		Nil	4.0	9.38	Nil		+ 0
2784/37	650		Nil	2.22	8.96	Nil		+
2787/41	45		Nil	3.1	9.24	Nil		+
2815/47	1,450		Nil	3.2	9.03	Nil		+ .
2816/48	650	_	Nil	4.2	9.24	Nil		+
2838/51	12,500	-	Nil	3.2	8.92	Nil		+
2856/57	29,200	***************************************	Nil	3.1	8.88	Nil		+
2857/59	15,500	+	Nil	3.9	8.93	Nil		<del></del>
28 <b>5</b> 8/61	700	_	Nil	4.9	8.98	Nil		+
2861/64	15,800		Nil	4.0	9.32	Nil	<del></del>	+
2886/67	250		Nil	2.65	8.83	Nil	<u> </u>	+
		GRADE "A"		MIL				
2665/9	800	STORMS	Nil	4.1	9.35	Nil		+
2783/36	1,100		Nil	2.28	8.90	Nil		+
2859/62	13,100		Nil	3.2	8.92	Nil		+
2860/63	500		Nil	4.1	9.55	Nil		+
2668/12	150	PASTEUR —	ISED Nil	3.4	K. 8' <b>94</b>	Nil	+	+
2756/30	1,800	antigle	Nil	3·5	9.22	Nil		+
2863/66	6,300	_	Nil	3.3	<b>8</b> ·82	Nil		+
2505/00	3,000	STERIL		MIL	1	- 1.2.		
2662/8	1,710		Nil	3.3	9.04	Nil		
2752/26	0		Nil	3.3	8.82	Nil		
2840/54	200,000	_	Nil	3.4	9.14	Nil	+	
2887/69	1,200	_	Nil	3.2	8.92	Nil	-	
2933/83	Sample too sour Bacteriologi	when receive cal Examinat		3.0	9.21			

Sample No.	Organisms per C.C. growing on Agar in 48 hrs.at 37 deg.C.	Bacillus Coli per C.C. 1 1 1 10 100 1000	Acid Fast Org- anisms	Fat	None Fatty Solids	Dirt	Pus Cells	Grade "A" Standard + —
		ORDINARY	MIL	К.				
2619/1	22,500	_	Nil	3.9	8.92	Nil		+
2620/2	650		Nil	3.7	8.92	Nil	+	+
2621/3	6,400		Nil	3.4	8.78	Nil	.•	+
2622/4	1,750		Nil	3.2	8.84	Nil		+
2623/5	850		Nil	4.8	9.26	Nil		+
2657/6	10,900		Nil	3.3	8.68	Nil		+
2660/7	29,700	+	Nil	3.4	9'13	Nil		
2693/13	9,700	ŧ	Nil	3.3	9.04	Nil		
2694/14	4,900		Nil	3.2	8.98	Nil		+
2695/15	92,000	+	Nil	3.6	9.12	+		
2696/16	9,000		Nil	3.3	8.68	+		+
2697/17	11,500		Nil	3.8	9.17	+		+
2698/18	192,000	_	Nil	3.6	8.88	+		+
2716/19	128,000	+	Nil	3.3	9.18	Nil		
2723/20	100		Nil	3.4	9.38	Nil		+
2727/21	384,000		Nil	3.6	8.74	Nil		_
2728/22	198,000	+	Nil		8.22	Nil		_
2729/23	350,000		Nil	3.4	8.83	Nil		
2730/24	2,500		Nil	3.8	8.78	Nil	+	+
2777/32	16,500	_	Nil	4.0	8.95	Nil		+
2780/33	4,700		Nil	2.38	8.80	+		+
2781/34	128,000	+	Nil	3.3	8.82	+		_
2782/35	208,000	+	Nil	3.4	9.02	Nil		
2785/38	33,000	_	Nil	3.82	8.20	Nil		+
2786/39	5,070		Nil	2.86	8.82	Nil		+
2811/43	3,000	+	Nil	3.1	9.24	Nil		
2812/44	64,200	+	Nil	3.6	8.88	+		
2813/45	28,400	_	Nil	3.1	8.77	Nil		+
2814/46	128,000	+	Nil	3.3	8.82	Nil		
2839/53	6,250	_	Nil	3.1	8.90	Nil		+
2841/55	6,750		Nil	3.4	8.40	Nil		+
2842/56	3,600	_	Nil	3.1	8.90	Nil	+	+

		D:11	2 - 1'							
Sample No.	Organisms per C.C. growing on Agar in 48 hrs.at 37 deg.C.	Bacillus ( per C.( 1 1 1 1 10 100	C.	Acid Fast Org- anisms	Fat	Non Fatty Solids	Dirt	Pus Cells	Grade "A +	"Standard —
2862/65	14,500			Nil	3.6	9.00	Nil		+	
2888/70	1,050			Nil	3.9	9.07	Nil		+	
2889/71	1,250			Nil	3.6	8.8	Nil		+	_
2890/72	4,700			Nil	3.6	8.74	Nil		+	
2891/73	23,100	+		Nil	3.5	8.92	Nil			
2892/74	1,700			Nil	3.9	8.26	Nil		+	
2921/75	7,350			Nil	3'7	9.13	Nil		+	
2922/76	12,500			Nil	3.4	9 <sup>.</sup> 11	Nil		+	
2923/77	1,500			Nil	3.3	8.93	Nil		+	
2924/78	70,000			Nil	3.7	8.64	Nil		+	
2925/79	45.500			Nil	3.5	8.98	Nil		+	
2926/80	3,750	+		Nil	4.3	8.62	Nil			_
2927/81	8,900			Nil	3.2	8.98	Nil	+	+	
2928/82	3,300			Nil	3.7	8.88	Nil		+	
2948/84	8,500	_		Nil	3.2	9.03	Nil		+	
2949/85	2,500			Nil	3.2	9.10	Nil	+	+	
2950/86	364,000		+	Nil	3.02	8.73	Nil			
2951/87	22,000	+		Nil	3.2	8.78	Nil			
2952/88	88,000		+	Nil	3.9	9.31	Nil			_
2953/89	<b>7</b> 50			Nil	3.2	8.98	Nil	+	+	
2955/90	2,500	+		Nil	3.2	8.98	Nil			_
2956/91	28,000			Nil	3.8	9.03	Nil		+	
2957/92	10,500	_		Nil	3.3	9.04	Nil		+	
2958/93	11,000	_		Nil	3.0	9.34	Nil		+	
2959/94	11,500	_		Nil	3.6	9.23	Nil		+	
2960/95	10,000			Nil	4.5	9.12	Nii	+	+	

### SCHOOL INCIDENCE.

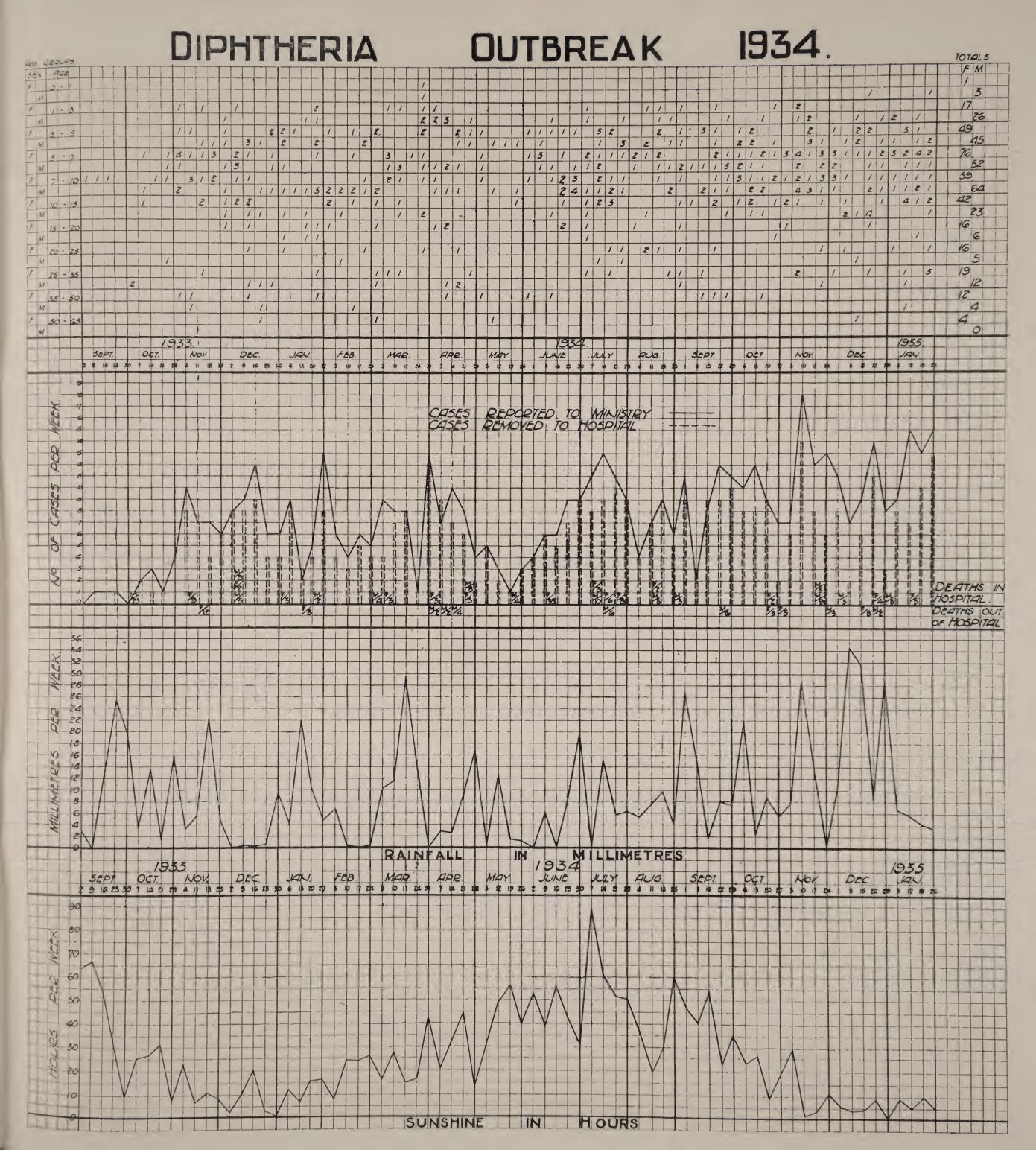
The following Table shows the incidence of Diphtheria in the several schools in the Town, during the period under review:—

Week ending	Old Bed	ford Rd.	Waller St.	Sur	rrey Str	eet	Beec	h Hill	1	Denbigh	Road	
1933.	Sen. B.	Infants	Sen. B.	Sen. B.	Sen. G.	Infants	Sen. B.	Sen. G.	Sen. B.	Sen. G.	Jun. M.	Infs.
Sept. 9	• • •	• • •	•••	•••	• • •	• • •	• • •	•••	•••	•••	• • •	• • •
,, 23		•••	• • •	•••	• • •	• • •		• • •		•••		• • •
,, 30	•••	•••	•••		•••	•••	* * *	•••	•••	•••	•••	• • •
October 7	•••		• • •	•••	• • •	• • •	• • •	• • •	• • •	•••	• • •	• • •
,, 21	•••		• • •	• • •	•••	•••	•••	•••	•••			• • •
,, 28 Nov. 4	•••	•••	• • •	• • •	•••	•••	• • •	•••	• • •	•••	•••	• • •
,, 11		• • •	• • •	• • •		• • •	• • •	• • •	• • •	•••		• • •
,, 18	•••		•••	•••	•••	•••	•••	1	• • •	•••	3	•••
),, 25 Dec. 2	1		• • •	•••	•••	***	•••	•••	• • •	1	•••	• • •
,, 9			•••		• • •	• • •	• • •	• • •	• • •		• • •	• • •
,, 16	•••		• • •	1	•••	•••		• • •	•••		•••	• • •
,, 23 ., 30			• • •	1	• • •		•••	• • •	• • •		• • •	• • •
Jan. (1934) 6	-		1	•••	•••	•••	•••	•••	•••	• • •	•••	1
,, 13	•••		• • •	•••	•••	•••	•••	•••	•••		•••	• • •
,, 20 ,, 27	•••	• • •	• • •	• • •	• • •		1	•••	• • •	•••	• • •	• • •
Feb. 3		1	• • •	• • •	• • •	• • •	•••			•••	• • •	•••
,, 10	•••	1	• • •		•••	• • •	•••	•••	1	•••	• • •	• • •
,, 17 ,, 24	• • •	1 1		• • •	•••		• • •	• • •	•••	•••	• • •	• • •
March 3	•••		•••	•••	•••	•••	•••	•••	•••	•••	•••	• • •
,, 10 17	•••	1	• • •	•••	•••	1	•••	•••	1	1	1	•••
,, 24	***		• • •		• • •	• • •	• • •	• • •	1		1	• • •
., 31	•••	•••	•••	•••		• • •	2	•••	•••	•••	• • •	• • •
April 7	• • •	•••	• • •	***	•••	•••	•••	•••	•••	•••	• • •	• • •
,, 21	• • •	•••	• • •	• • •	•••	• • •	• • •	• • •	•••	•••	• • •	• • •
,, 28	• • •		• • •	• • •	•••	•••	• • •	• • •	•••	•••	• • •	1
May 5	•••	•••	• • •	• • •	•••	•••	* * *	* * *	***	•••	1	• • •
,, 19		• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •		1
,, 26		•••	* • •	•••	•••	•••	• • •	•••	• • •	• • •	• • •	• • •
June 2	•••		• • •	• • •	• • •	• • •	•••	• • •	• • •	• • •	• • •	• • •
,, 16	•••	1	•••	•••		•••	• • •		•••	•••	•••	• • •
,, 23 ,, 30	•••	•••	• • •	•••	•••	•••		•••	•••	•••	1	2
July 7	1		• • •		•••	• • •	• • •	• • •	• • •			$\frac{1}{2}$
,, 14	•••					•••	•••	1	•••	• • •	•••	
,, 21 ,, 28	•••	•••	• • •	•••	•••	•••	• • •	•••	• • •	•••	1	• • •
August 4	•••	• • •	•••	• • •	•••	• • •	• • •	• • •	• • •	• • •	• • •	1
,, 11	•••	•••	1	•••	•••	• • •	• • •	•••	•••	•••	•••	•••
,, 18 ,, 25	•••	•••	• • •	•••		•••	•••	•••	•••	•••	• • •	 1
Sept, 1	• • •	•••	•••	• • •	• • •	• • •	• • •	• • •	• • •	•••	• • •	2
,, 8	•••		• • •	1	• • •	1	• • •	• • •	• • •	• • • •	•••	• • •
,, 15 ,, 22	•••	•••	•••	•••		• • •	• • •	• • •	• • •	1	1	•••
,, 29		1	• • •	•••	•••	1	1	•••	•••		• • •	• • •
October 6	•••		• • •	•••	1	• • •	• • •	•••	•••	•••	1	• • •
,, 13 ,, 20		$\begin{vmatrix} 1\\2 \end{vmatrix}$	• • •	•••	•••	• • •	1	•••	•••	•••	1	• • •
,, 27			• • •	•••	•••	••	• • •	•••	• • •			1
Nov. 3	•••	•••	• • •	• • •		•••	1	•••	• • •	•••	•••	$\frac{\cdots}{2}$
,, 10	•••	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	• • •	
,, 24	•••	•••	• • •	• • •	1	3	•••	•••	• • •	•••	• • •	1
Dec. 1	•••	•••	•••	* * *	• • •	1	1	•••	•••	•••	••	 1
,, 15	1	•••	• • •	• • •	• • •	• • •	•••	• • •	• • •	•••	1	• • • •
,, 22	3		• • •	• • •	• • •	•••	•••	* * *	• • •	•••	1	• • •
,, 29 Jan. (1935) 5		2	•••			1	•••		•••	•••		•••
,, 12	• • •		* * *	• • •	1	•••	• • •	• • •	• • •	1	• • •	• • •
,, 19	•••		* * *	•••	•••	1	• • •			•••	•••	2
,, 26	1	1 1	• • •		****	1	•••	in thatbur 1	*** *** *	• • • -	•••	1

Week end	ding	Hit Sen. G.	chin Ro Jun. M	ad Infs.	Chapel Sen. G	Street Infs.	Langley St. Jun. G.	Tenny: Jun. M.	son Rd. Infs.	Dunsta Jun. M.	ble Rd. Infs.
Sept.	9	•••		•••			•••	•••	•••	1	***
,,	16		•••	• • •	•••	• • •		•••	•••	•••	•••
	23	1	•••	• • •	•••	• • •	• • •	•••	•••	•••	• • •
October	30	•••	•••	• • •	• • •	• • •	• •		• • •	•••	• • •
,,	14	•••	•••	• • •	1	• • •	•••		• • •		•••
, ,	21	, •••		• • •			• • •	•••	•••	•••	• • •
11	28		•••	• • •	•••	•••	•••	•••	•••	•••	• • •
Nov.	4 11	•••	•••	• • •	•••	1	1	•••	•••	•••	• • •
11	18		•••	• • •		•••		•••	• • •		•••
,,	25	•••	•••	2	•••		• • •		•••	•••	•••
Dec.	2		•••	•••	•••	•••	• • •	•••	• • •	•••	•••
,,	9	1	•••	1	1	•••	• • •	•••	•••	1	• • •
1 1	16 23	1	•••	1	1	•••	• • •	•••	•••	•••	•••
11	30		1	1	•••	•••	* * *	•••	•••	• • •	• • •
Jan. (193			•••	•••	•••	•••	•••	•••		•••	
"	13		•••	•••	•••	•••	• • •	•••	• • •	•••	•••
11	20		•••	• • •	•••	•••	•••	1	•••		•••
rob	27	•••	1	• • •		1	• • •	•••	•••	•••	
Feb.	3 10	•••	•••	• • •	2	1	• • •	•••	•••	•••	1
,,	17	1	• • •	• • •	• • •	•••	• • •	• • •	•••	•••	1
, ,	24		1	•••			•••	•••	•••		•••
March	3			•••	•••	•••	•••	•••	•••	1	• • •
, ,	10	•••		•••	• • •		•••	•••	•••	••	•••
,,	17 24	• • •	•••	•••	•••	•••	• • •	•••	•••		• • •
,,	31			• • •	• • •	• • •	•••	• • •		1	••,
April	7		•••	•••	•••	•••	• • •	•••	•••		•••
,,	14	•••	•••	•••	•••	•••	• • •	• • •	•••		•••
9 9	21	•••	•••	•••	•••	•••	• • •	•••	•••	•••	•••
May	28 5	•••	•••	1	•••	•••	•••	•••	•••	•••	• • •
•	12		•••	•••			•••			1	• • •
,,	19		•••	• • •	•••	•••	•••	•••	•••		•••
11	26	•••	•••	• • •	• • •	•••	•••	•••	•••	•••	•••
June	2	•••		•••	•••	•••	1	***	•••	•••	• • •
, ,	9 16	• • •	•••	•••	•••	•••	•••	•••	•••	•••	
,,	23				• • •		• • •	•••			• • •
,,	30	•••	•••	•••	•••		•••	•••	•••	•••	• • •
July	7	•••	•••	•••		•••	•••	•••	•••	•••	•••
,,	14	•••	•••	•••	1	•••	•••	•••	•••	1	•••
• •	21 28		• • •			1	• • •	•••	• • •		•••
August	_			•••	•••		•••		•••	•••	• • •
"	11	•••	•••	• • •	• • •	•••	•••	•••	•••	•••	1
11	18	•••	•••	•••	•••	•••	•••	•••	•••		•••
Sent	25 1	•••	•••	1	•••	• • •	•••	•••	•••	•••	• • •
Sept.	8		•••		•••	• • •	•••	• • •	•••	• • •	• • •
,,	15			• • •	•••	•••	•••	•••		•••	1
,,	22		•••	• • •	1	•••	• • •	• • •	•••	•••	•••
0.4.5	29		•••	1	•••	•••	• • •	• • •	•••	•••	1
Octobe	r 6 13	1		•••	• • •	•••	1	•••	• • •	1	•••
"	20	•••		•••		•••	•••	• • •	• • •	1	
,,	27	1	• • •	•••		•••	• • •			•••	
Nov.	3	•••	1	•••		•••	•••	•••	•••	1	•••
,,	10	•••	1	1	1	•••	•••	•••	•••	1	•••
, ,	17 24	•••	1	1	•••	•••	•••	•••	***	•••	•••
Dec.	1	•••		•••	•••	• • •	•••	• • •	•••	•••	
,,	8	1		1	•••		• • •	•••			
11	15		•••	•••	•••	•••	•••	•••	•••	•••	•••
, ,	22	1	•••	•••	•••	•••	•••	•••	•••	1	•••
Top /109	29	1	•••		•••	•••	•••	-	•••		
Jan. (193	12	•••	1	1	1	•••	•••	1	•••	•••	• • •
,,	19	•••		3		•••	• • •	1	•••		•••
"	26		2				•••		•••		

Week end 1933.	ding	Maid Jun. B.	denhall Jun. G	Road . Inís.	Norton Rd. Jun. M.	Chi Jun. B.	rist Chu Jun. G.	rch Infs.	St. Ma Jun. M.	tthew's Infs.	Queen Jun. B.	Square Infs.
Sept.	9				• • •	•••			1	•••	• • •	
,,	16	•••	•••	•••	•••	•••	•••	• • •	•••	• • •	•••	• • •
, ,	23 30	•••	•••	•••	•••	•••	•••	• • •	• • •	•••	•••	***
October					•••			• • •	• • •	• • •		•••
, ,	14				•••		•••	• • •	•••	2		• • •
,,	21	•••			•••	•••	1		• • •	•••	•••	• • •
Nov.	28 4		•••	1		•••	1	1 1	2	2	•••	•••
NOV.	11		• • • •		•••	•••	2	1				•••
,,	18							1	•••	•••		•••
,	25		•••		•••		1	2	1	•••		• • • •
Dec.	2 9	•••	•••	2	• • •	1	1	•••	1	•••	•••	• • •
, ,	16	• • •		1	• • •	1	1		1	1	• • •	• • •
,,	23			1		1	• • •			•••		
, ,	30	• • •	•••		• • • •	•••	•••	1		• • •		1
Jan. (193	4) 6	•••		1	• • •	•••	• • •	• • •	•••		•••	• • •
"	13	•••	• • •	•••	• • •	1	•••	•••	•••	* * *	• • •	• • •
, ,	20 27	•••	• • •	1	1	•••	•••	•••	1	• • •	•••	•••
Feb.	3	•••	• • •	1	1	1	• • •	•••			• • •	
",	10				•••	1					•••	• • •
,,	17		•••	•••	• • •	2	• • •		•••	•••	•••	•••
Manah	24	1	•••		• • •	•••	•••	•••	• • •	•••	•••	• • •
March	3 10	•••	1	$\begin{vmatrix} 3 \\ 2 \end{vmatrix}$		•••	1	•••	• • •	• • •	•••	•••
,,	17		•••	$\frac{2}{2}$	4							• • •
"	24	•••			•••	•••	•••	•••		•••		• • •
, ,,	31		•••	1	•••	• • •	•••	•••	•••		•••	• • •
April	7	1	• • •	•••	1	•••	•••	•••	•••	•••	•••	•••
<b>P</b> 3	14 21		•••		$\frac{1}{2}$	•••	•••	• • •	•••	•••	•••	•••
,,	28	•••	• • •			•••	• • •	• • •	•••	•••	• • •	• • •
May	5			2	• • •		•••	• • •		•••	•••	•••
11	12	1	•••	•••	•••	• • •	•••	•••	•••	•••	• • •	• • •
,,	19 26	•••	•••	•••	•••	1	•••	• • •	•••		•••	• • •
June	20	1			• • •	1	• • •	• • •		• • •	• • •	•••
11	9			• • •	• • •		• • •					1
,,	16		•••	•••	• • •	•••	• • •	• • •	•••		•••	• • •
3 3	23	$\frac{1}{2}$	•••	2	• • •	•••	1	• • •	• • •	•••	•••	1
July	30 7	2	•••		1	•••	• • •	• • •	• • •	•••	1	• • •
,,	14				1		1	• • •	1	***		
,,	21	• • •	• • •	•••	1	• • •	•••		•••		2	• • •
,,	28	1	•••	•••	• • •	• • •	•••	• • •	•••		• • •	• • •
August	4 11	•••	• • •	• • •	•••	•••	• • •	• • •	•••	•••	•••	• • •
"	18	• • •		• • •	• • •	• • •		• • •	• • •	•••	• • •	• • •
	25	1		•••	• • •	•••	• • •	•••			1	• • •
Sept.	1	•••	•••	• • •	• • •	•••	• • •	• • •	• • •		•••	• • •
,,	8	•••	•••	$\frac{\cdots}{2}$	• • •	***	•••	• • •	• • •	•••	1	• • •
, ,	15 22	•••	•••		•••	• • •	•••	* * *		2	1	• • •
,,	29	• • •	• • •	• • •	1		1	1	•••	2	• • •	• • •
October	6	• • •	• • •	• • •	Ĩ	• • •	•••	•••	1	2		• • •
, ,	13	•••	• • •	1		• • •	• • •	• • •	1	1	• • •	• • •
, ,	20 27	•••	•••	•••	2	•••	•••	•••	•••	• • •	•••	1
Nov.	3	•••	• • •	• • •	• • •	• • •	• • •	• • •	• • •	•••	1	• • •
1,	10	• • •		• • •	• • •	•••		•••	2	1	1	1
11	17	• • •		•••	4.5	•••	•••	• • •	• • •	2	2	•••
D.,	24	• • •	•••	1	1	• • •	•••	•••	***	•••	•••	•••
Dec.	8	•••	• • •	1	• • •	• • •	•••	• • •	1	• • •	• • •	1
9 7	15		• • •		• • •	• • •	• • •		• • •	1		•••
,,	22				•••	• • •	• • •	• • •	1	•••	1	•••
, ,	29		•••	••	•••	•••		• • •	•••	1	• • •	•••
Jan. (1935		•••	•••	• • •	• • •	•••	•••	•••	1		•••	
,,	12	• • •		•••	•••	•••	• • •	•••	•••	1		• • •
"	19 26		1		•••	,	•••		•••	• • •	I	• • •
11											••• 1	• • •

Week end 1933		St. Mar Jun. G.	y's Hall Infs.	Oakley Rd. Infants	Limbury Infants	Stopsley	Biscot	Osborne Rd. Special
Sept.	9	•••		• • •	• • •	•••	•••	•••
, ,	16	•••	•••	• • •	• • •	•••	•••	• • •
<b>9.9</b>	23 30	•••	• • •	• • •	• • •	• • •	•••	•••
October		•••	• • •	• • •	•••	• • •	•••	•••
	14	• • •	•••	•••	•••		• • •	•••
,,	21			• • •	•••	•••	•••	
,,	28		•••	•••	•••	•••	•••	•••
Nov.	4		• • •	•••	•••	•••	•••	• • •
, ,	11		•••	• • •	• • •	•••	• • •	•••
2.2	18	•••	• • •	• • •	•••	1	•••	•••
Doo	25 2	•••	• • •	• • •	• • •	•••	•••	• • •
Dec.	9	•••	• • •	• • •	• • •	•••	•••	•••
,,	16	•••	• • •	• • •	• • •	1	•••	• • •
,,	23	•••	• • •	• • •	•••		• • •	• • •
,,	30		•••	•••	•••	• • •	•••	• 13 •
Jan. (193	4) 6	•••		• • •	• • •		• • •	• • •
,,,	13		• • •	•••	•••	•••	•••	
,,	20	•••	•••	• • •	•••	• • •	•••	• • •
,,	27		•••	• • •	• • •	•••	• • •	• • •
Feb.	3	•••	•••	•••	•••	•••		• • •
**	10	•••	•••	• • •	• • •	• • •	• • •	• • •
, ,	17	•••	•••	•••	• • •	•••	• • •	•••
March	24 3	•••	•••	• • •	• • •	• • •	•••	•••
March	10	•••	•••	•••	•••	•••	• • •	•••
,,	17	•••	• • •	•••	•••	•••	• • •	* • •
,,	24	•••	• • •	•••	• • •	• • •	• • •	• • •
, ,	31	• • •	• • • •	• • •	• • •		•••	•••
April	7	•••	1	•••	•••		• • •	•••
,,	14	•••	• • •	• • •	• • •		• • •	
, ,	21	•••	• • • •		•••		3	
_ ,,	28	• • •	•••	• • •	• • •	• • •	1	•••
May	5	•••	• • •	•••	• • •	• • •	• •	• • •
* *	12	•••	•••	•••	• • •	•••	• • •	• • •
, ,	19 26	•••	•••	•••	• • •	•••	• • •	•••
June	20	• • •	•••	•••	•••	• • •	• • •	•••
	9	•••	3	i	• • •	•••	• • •	•••
"	16		1		• • •	• • •	• • •	• • •
,,	23	•••	1	•••	•••	•••	•••	
	30	1	• • •	•••	1	• • •	• • •	•••
July	7	• • •	•••	•••	• • •	• • •	• • •	•••
9 9	14	2	1	•••	• • •	•••	• • •	• • •
, ,	21	•••	•••	•••	•••	•••	•••	•••
) , A == q== a+	28	1	$\begin{array}{c c} 1 \\ 2 \end{array}$	•••	• • •	• • •	• • •	• • •
August	4 11	•••		•••	• • •	•••	•••	•••
,,	18	1	1	•••	2	•••	• • •	•••
,,	25		• • • •	•••	•••	•••	• • •	• • • • • • • • • • • • • • • • • • • •
Sept.	1	•••	1				•••	
11	8		• • •	•••	•		• • •	
9 9	15	• • •	1	•••	• • •	•••	• • •	•••
	22	• • •	2	•••	•••	•••	• • •	•••
0-4-1	29	•••	1	•••	1	•••	• • •	•••
October		1	•••	• • •	1	•••	•••	•••
* *	13 20	•••	• • •	•••	1 1	•••	•••	•••
,,	27	1	1	• • •		• • •	• • •	•••
Nov.	3	1		•••	• • •	• • •	•••	
,,	10	1	3	• • •	• • •	2	• • •	
,,	17		1	•••	•••	3	•••	•••
, ,	24		• • •	•••	• • •	2	• • •	
Dec.	1		1	•••	•••	3	•••	
,,	8	•••	1	•••	•••	1	•••	•••
, ,	15	•••	•••	• • •	•••	•••	•••	•••
, ,	22	•••	• • •	•••	•••	4	•••	•••
7 /100	29			•••	•••	2	•••	•••
Jan. (1938		•••		• • •	• • •	2	•••	•••
"	12 19		2	•••	•••	•••	•••	•••
2.0	26	•••	1	•••	•••	•••	•••	•••
	20	• • • •		•••		• • •	• • •	•••



. . . . . . . ........ 

No.

#### DIPHTHERIA.

Notification rec.

Date of visit

Name

Age

Address

Medical Attendant

Called in

Isolation

Milkman's Name and Address

Places of Entertainment, etc., visited

Any work taken in Washing

Library Books

Visitors

REMARKS:-

Rooms requiring Disinfection

Walls Require

Ceilings Require

Owner

Address

Other Sanitary Defects:-

Under 10.	Between 10-21. M.   F.	Ovər 21. M.   F.	Lodgers.  M.   F.	Families.	Total Occupants.	Rooms in house.
		·				

					Candon Cobool
	School attended or	Class	Teacher or Employer	Last Attendance	Sunday School
	Occupation.			Attendance	
Patient					
Others					
1		l	1	1	
Symp	toms, Source of Infectio	n, etc.			

Members of Family, Names

Ages

Occupation

### 23. LABORATORY REPORT OF NUMBER OF SPECIMENS EXAMINED.

Pathological and Bacteriological examinations are carried out, when required, by the Medical Officer of Health. Swabs, &c., are supplied to medical practitioners, and diphtheria antitoxin is provided free of charge. Other vaccines are supplied on request.

The following specimens were examined during the year:—

ĺ	Specimens Examined.	Positive.	Negative.	Totals.
ľ	Diphtheria	975	1785	2760
ı	Typhoid Fæces	•••	1	1
ı	,, Blood	•••	1	1
	Hæmolyticus	5	8	13
1	Streptococcal Infection	• • •	2	2
ı	,, Meningococcus	• • •	1	1
ł	Gonococcus	• • •	1	1
,	Uning for Call and	980	1799	2779
١	Urine for Cell and Bacterial Content	•••	• • •	1
	Blood Count		•••	1
	Nature of Infection	•••	•••	3
-		980	1799	2784

#### 24. School Incidence of Infectious Diseases.

The following Table gives in detail the prevalence of the Notifiable Infectious Diseases in each of the Schools in the Borough, along with the number of cases above and below school age (5 years).

School	Accom- modation	Encepha- litis Lethargica	Diphtheria	Scarlet Fever	Typhoid Fever	Total
Senior Boys.		1		{	1	
Old Bedford Rd	360	•••	6	• • •	•••	6
Waller Street	240		2	• • •	• • •	2
Surrey Street	240		1	•••	•••	1
Beech Hill	400	•••	6	1		7
Denbigh Road	360	•••	2	2	•••	4
Stopsley	100	•••	• • •		•••	•••
Senior Girls.		-				
Hitchin Road	280	• • • •	6	•••	•••	6
Chapel Street	320		5	•••		5
Surrey Street	240	•••	2	1	•••	3
Beech Hill	400	•••	1	1	•••	2
Denbigh Road	360	•••	2	•••		2
Stopsley	100	•••	1	•••	•••	1
Junior Schools.						
Hitchin Road Mixed	350	•••	5	•••	•••	5
Langley Street Girls	250	•••	2	• • •	•••	2
Dunstable Rd. Mixed	586		7	2	•••	9
Tennyson Road Mixed	300		2	1	•••	3
Denbigh Road Mixed Norton Road Mixed	360	•••	8	8	•••	16
3/7 * 1 1 11 75	384	•••	12	6	•••	18
Maidennall Boys Maidenhall Girls	} 480	{ · · ·	9	1 1	•••	10 2
Christ Church Boys			5	2	•••	7
Christ Church Girls	{ 435		3	1	• • •	4
St. Matthew's Mixed	320	(	9	1	***	10
Queen Square Boys	274	•••	9	2		11
St. Mary's Hall Girls	214	•••	8			8
Stopsley	211		10			10
•		1	1	}	1	

School.	Accom- modation	Encepha- litis Lethargica	Diphtheria	Scarlet Fever	Typhoid Fever	Total
Infants. Old Bedford Road Hitchin Road Chapel Street Surrey Street Dunstable Road Tennyson Road Denbigh Road Maidenhall Oakley Road Limbury Christ Church St. Matthew's Queen Square St. Mary's Hall Stopsley Special.	200 331 272 270 350 170 315 192 196 123 159 295 165 175 80		8 6 3 6 4 1 16 18 1 10 4 22 6	2 1 3 1  7 2 2 3 1 1 1  2 4		10 7 6 7 4 1 23 20 3 13 2 11 4 24 10
Osborne Road	60				1	
	10616	•••	240	<b>5</b> 9	•••	299
Over School Age-Ma	Boys Girls Goys Girls	•••	1 5 7 1 2 44 41 20 54	8 16 11 11	•••	1 10 9 2 2 2 57 31 65
School— Girls  Totals			175	55	•••	230

# 25. Diphtheria.

The following Table gives the position of Luton as compared with other parts of the country, with reference to the mortality from Diphtheria.

Annual Death Rate per 1,000 living (Diphtheria):—

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
England & Wales 121 Great Towns 135 Small Towns London Luton	'09 '06 '11	·07 ·10 ·06 ·12 ·08	.07 .08 .05 .09	.06 .09 .08 .09	·08 ·09 ·07 ·08 ·06	'09 '10 '07 '10 '09	·07 ·08 ·05 ·06 ·05	·06 ·07 ·07 ·07 ·02	.06 .08 .04 .08 .11	'10 '11 '09 '11 '42

### 26. Tuberculosis.

The following Table gives particulars of this disease in the Borough during the year, in the form asked for by the Minister of Health:—

	104	Ove	rter.	900	1 000	art <b>e</b> r·	200	1 0 11	out ou	141	. 0"	arter.
	150	Qua	itei.	2110	ı Qu	arter		ı Qu	<b>ar</b> (C)	711	1 Xu	ditter.
	M.	F.	Tot.	M.	F.	Tot.	Μ.	F.	Tot.	M.	F.	Tot.
Pulmonary Tuberculosis: Number on Register New Notifications during year Cases removed which have been	394 13	485 11	879 24	400 15	489	889	408 14	484	892 20	410 15	462 8	872 23
restored Cases added to Register other		•••	•••	4	1	5	•••	1	1	•••	•••	•••
than by Notification Cases removed from Register Cases remaining on Register	4 11	 7 489	4 18 889	4 15 408	1 14 484	5 29 892	1 13 410	2 31 462	3 44 872	2 20 407	2 28 444	4 48 851
Non-Pulmonary Tuberculosis: Number on Register New Notifications during year Cases removed, which have been		135	281	145 1	137	282	143	138	281	139 4	137	276 5
cases added to Register other than by Notification	3	•••	3	2		2		2	2			•••
Cases remaining on Register  Cases remaining on Register		137	5 282	5 143	3 138	8 281	5 139	137	9 276	3 140	136	5 276

The next Table, also called for by the Minister of Health, shows the age and sex grouping of the new notifications, and also of the deaths from the disease:—

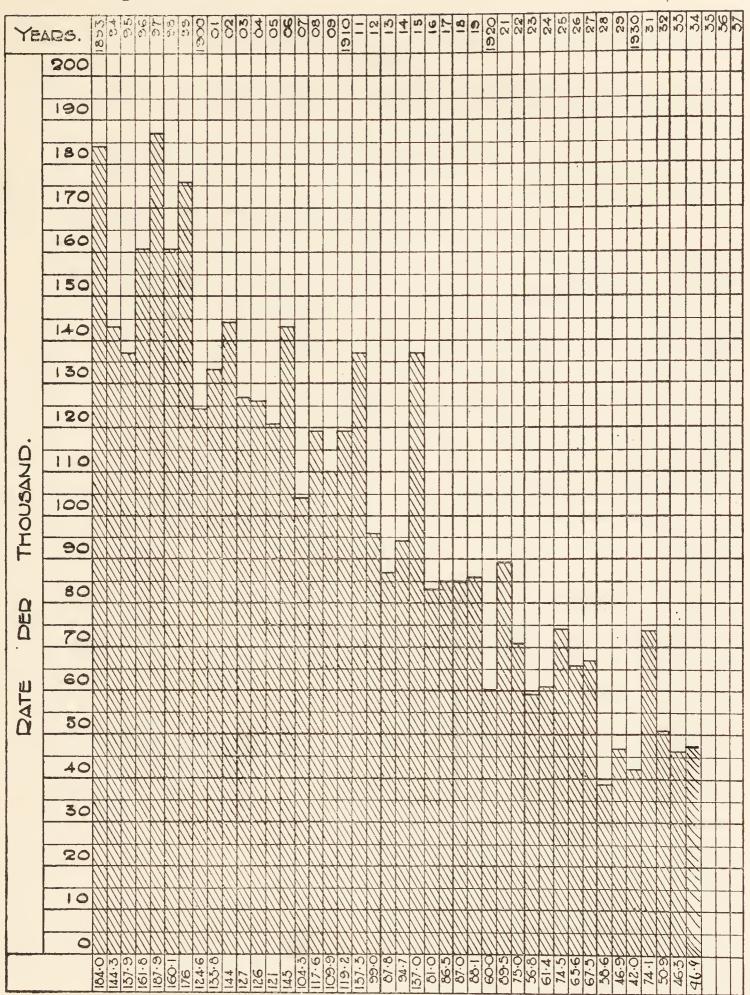
		-	New (	Cases.			Dea	iths.	
A	Age Periods.		nary.	No Pulmo		Pulmo	onary.		on- onary.
	٥	М.	F.	M.	F.	М.	F.	М.	F.
0 1 5 10 15 20 25 35 45 55	nd unwards	 1 4 2 4 9 11 10 8 6	 1 1 9 12 4 6	 2 1  1 1 1	 2 1  2 2 1 	 1 3 6 8 6 5	 6 4 6 5 2 3	 2 2 1   2	 1 1 1  2 
	nd upwards  Totals	57	33	6	9	29	27	7	6

# 27. Venereal Diseases.

Venereal Diseases are treated gratis at the Dispensary in Luton. This work is carried out by the County Council, and the Venereal Diseases Officer reports on this work to that body. Complete secrecy is observed, all patients being enrolled by a number only.

# 28. Infantile Mortality.

The Chart which follows shows the course of the Infant Mortality Rate in the Borough since 1893:—



# 29. Principal Causes of Death.

The principal causes of death during the last ten years have been as follows, the number of deaths from each disease and the rate per 1,000 living being given in each case:—

Year.	ear. Cancer		Pht	hisis	He Dise		Bronchitis		Pneumonia		
	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	No.	Rate.	
1925	75	1.26	43	0.4	99	1.8	58	0.9	43	0.7	
1926	62	1.0	41	0.4	66	1.3	44	0.8	32	0.6	
1927	88	1.4	64	1.2	117	1.9	55	0.8	48	0.6	
1928	94	1.38	59	0.86	101	1.48	30	0.44	27	0.39	
1929	84	1.28	53	0.9	149	2.5	41	0.8	48	0.8	
1930	88	1.28	61	0.9	132	2.3	28	0.4	27	0.4	
1931	82	1.18	67	0.88	147	2.10	41	0.29	42	0.59	
1932	93	1.3	52	0.74	118	1.7	19	0.27	30	0.43	
1933	119	1.6	61	0'84	140	1.93	36	0.49	26	0.32	
1934	95	1.2	56	0.73	183	2.4	28	0.36	50	0.65	

TABLE I.

Deaths registered during the Calendar Year 1934 classified by Age and Cause.

	Nett Deaths at the subjoined Ages of "Residents" whether occurring within or without the District.								Total Deaths	
Causes of Death.		lges.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 45.	45 and under 65.	65 and up-wards.	in Public Instit's.
All Causes Certified	818 22 Male F'le		51 2	33	29 1	46	93	216	350 14	
Enteric Fever	•••	•••			• • •	•••	•••	• • •	• • •	•••
Measles	1	•••	•••	• • • •	1	•••	•••	• • •	•••	
Scarlet Fever	•••	•••	•••	•••	• • •	•••	• • •	•••	••	•••
Whooping Cough	1		1	10	1.0	•••	• • •	•••	• • •	• • •
Diphtheria and Croup	17	15	•••	18	13	•••	$\frac{1}{3}$			22
Influenza	6	7	•••	•••	• • •	•••		5	5 1	3
Encephalitis Lethargica	•••	1	•••	•••	• • •	• • •	• • •	• • •		•••
Cerebro Spinal Fever	• • • •	•••		•••	• • •	• • •	•••	• • •	•••	•••
Phthisis (Pulmonary Tuberculosis)	29	27	•••	•••	• • •	14	2 <b>5</b>	16	1	20
Other Tuberculous Diseases	7	6		2	5	1	2	3	• • •	4
C1. :11:-	_	• • • • • • • • • • • • • • • • • • • •				•••		• • •	• • •	
General Paralysis of the	•••	• • •								•••
Insane	3	3	• • •	• • •		• • •	3	3		5
Cancer, malignant disease		49	• • •	1	• • •	• • •	7	38	49	22
Diabetes	3	2	• • •		• • •	• • •	• • •	2	3	1
Cerebral Hæmorrhage	30	23	• • •	• • •	• • •	• • •	2	17	34	9
Heart Disease	93	90	2	• • •	2	7	11	48	113	42
Aneurysm Other Circulatory	• • •	• • •	• • •	• • •	• • •	• • •	•••	• • •	• • •	•••
Diseases	9	10	1	• • •	• • •	1	2	6	9	3
Bronchitis	16	12	2	• • •	• • •	•••		10	16	6
Pneumonia (all forms)	21	29	5	7	1	4	7	10	16	16
Other diseases of Respira-										
tory Organs (Pleurisy)	4	1	• • •	•••	•••	•••	3	2	• • •	1
Peptic Ulcer	4	3	• • •	•••	• • •	• • •	1	3	3	4
Diarrhœa and Enteritis								1		
(2 years)		1	3	1	•••			1	• • •	3
Appendicitis	3	2	• • •	• • •	•••	2	2	1	•••	3
Cirrhosis of Liver	1	3	1	• • •	1	1	2	2 7	2 9	• • •
Other Digestive Diseases	8	13		• • •	-	-		1	3	4
Other Diseases of Liver		4	• • •	• • •	***		1	7	7	1
Acute & Chronic Nephritis		9	• • •	• • •	•••	•••	4			4
Puerperal Fever Other Puerperal Causes	• • •	$\frac{4}{3}$	• • •	• • •	•••	1	2	• • •	• • •	2 2
Congenital Debility and	• • •	J				•	_			2
Malformation, includ-										
ing Premature Birth	20	12	<b>3</b> 2	•••	• • •	• • •	• • •	• • •	• • •	7
Senility	20	40	• • •	• • •	• • •	• • •	• • •	• • •	60	34
Suicide	15	5	•••		• • •	3	4	12	1	3
Violent Deaths	23	8	• • •	2	5	7	5	5	7	17
Other Defined Diseases	43	25	6	2	2	5	7	21	25	26
Causes Ill-Defined or										
Unknown	1	• • •		•••	•••	•••		1	•••	•••
Totals	433	407	53	33	30	46	94	<b>2</b> 20	364	263

TABLE II.—Infant Mortality.

1934. Nett Deaths from stated causes at various Ages under 1 Year of Age.

Causes of Death.	Under 1 week.	1-2 weeks.	2-3 weeks.	3-4 weeks.	Total under 1 month.	1-3 months.	3-6 months.	6-9 months.	9-12 months.	Total Deaths under 1 year.
All Causes Certified	19 1	2	7	2	30	6	8	3	4	51 2
Measles Whooping Cough Diphtheria and Croup	•••	• • •	•••	• • •	•••	•••	1	•••	• • •	 1 
Erysipelas Tuberculous Meningitis Meningitis, not Tuberculous Convulsions	 2	•••	• • •		2	• • •			2	 2 3
Laryngitis Bronchitis Pneumonia (all forms) Diarrhœa	•••	• • •	• • •	•••	• • •	1	 1 2		3	 2 <b>5</b>
Enteritis } Gastritis } Suffocation, overlaying	•••	• • •	• • •		• • •	1	1	1	• • •	3
Congenital Malformations Premature birth Atrophy, Debility and Marasmus	3 11 2	1 1	1 4	2	5 16 5	1	1	1		6 17 8
Other causes  Totals	$\frac{2}{2}$	2	1 7	2	31	$\begin{array}{c c} 1\\2\\ \hline 6\end{array}$	1 8	3	5	53

Nett Births in the year. {legitimate, 1084 illegitimate, 45

Nett Deaths in { legitimate infants, 50 the year of { illegitimate infants, 3

Infantile Mortality, Legitimate Infants = 46.1.

Illegitimate Infants = 66.6.

